



TECHNICAL REPORT

General ER 3 Checklist for ETAGs/CUAPs/ETAs- Content and/or release of dangerous substances in products/kits

TR 034
Edition July 2009

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1. INTRODUCTION

This document gives a general guidance for specification writers to decide, which assessment and verification methods shall be taken into account for substances in products/product families. These methods can be assumed to be agreed within EOTA. The list considers also the information of the EU – database, which is accessible through the Internet (http://haida.cc.cec.eu.int:6082/port_ext/) and the "Indicative List on dangerous substances" from the EGDS¹.

Based on this EOTA TR the EOTA Working Groups and the CUAP writers have either to create a special product related EOTA TR: Checklist for ETAGs/CUAPs/ETAs -Content and/or release of dangerous substances in products/kits" taking into account the products which are falling under the scope of the ETAG/CUAP (and are mentioned in the resp. mandate) or implement the chosen related paragraphs from this EOTA TR: directly in table 1 of ETAGs/CUAPs/ETAs.

This EOTA TR is a living document and has to be amended step by step taking into account new aspects for dangerous substances in products, received e.g. by the Working Groups or Approval Bodies. PT 9 is responsible for the amendment of this document. Different procedures and a description of procedural rules on how to deal with dangerous substances which are not part of the ETAG/CUAP yet are given in the document "Introduction to Guidance on assessment in relation to ER3 for ETAGs and CUAPs and ETAs"²The ETAG/CUAP writers will follow this rules for amending ETAGs/CUAPs for ER 3 aspects.

It is important to take note, that there could be additional dangerous substances related to the products, which are not part of this EOTA TR but falling within the scope of the CPD. Furthermore EOTA members have the possibility to provide to the other members, through the Secretary General, warning about substances which, according to scientific evidence are considered to be dangerous, but are not yet regulated. According the document "Introduction to Guidance on assessment in relation to ER3 for ETAGs and CUAPs and ETAs" PT 9 deal with these substances and –if relevant- will decide to amend this EOTA TR which forms the basis for the special product related parts of the ETAG/CUAP..

This EOTA TR contains "Model clauses" for consideration of dangerous substances in ETAGS/CUAPS/ETAs which have to be used in connection with the clauses given in the EOTA "Guidance to ETAG/CUAP writers". List I is as well the general reference source for list II and contains general clauses which are relevant for all products/components of products/kits/components of kits in general. List II is related to special products – considering the intended use and the rel. release scenarios-.

Because this EOTA TR is a living document and has to be amended step by step taking into account new aspects for dangerous substances in products, received e.g. by the Working Groups or Approval Bodies (see explanation above), the list of products is not exhaustive and does not lead to the conclusion that products which are not considered in this EOTA TR are not relevant regarding ER3. The EOTA PT 9 "Introduction to Guidance on assessment in relation to ER3 for ETAGs and CUAPs and ETAs" ² has to be considered for this matter.

2. USE CATEGORIES RELATED TO THIS DOCUMENT

Regarding ER 3 the following use categories have to be considered. These use categories are based as well on consideration of the intended use (which refers to the roles that a product is intended to fulfil in the framework of the construction work) as for the release scenario (which considers the release mechanism). Depending from the scope of the ETAG/CUAP/ETA the specification writer has to decide which of the following categories are relevant and applicable. Because this EOTA TR is the "General document" sometimes more than one release scenario is mentioned in this EOTA TR. For developing the product related EOTA TR the specification writer has to pay attention only to the relevant release scenarios depending on the intended use of the product/component of the kit considered in the ETAG/CUAP/ETA.

¹ Published under www.XXXX.

² Published under www.eota.eu/bible

Use category: Indoor "IA"

Sub categories taking into account the intended use (release scenario):

- **Category IA1: Product with direct contact to indoor air:**
Product which is incorporated into the works with a direct contact with the indoor air.
- **Category IA2: Product with no direct contact with indoor air but possible impact on indoor air:**
Product which is either covered (e.g. by other products) but dangerous substances could be released into the indoor air due to diffusion or have to be considered in the case of maintenance and repair.
- **Category IA3: Product with no contact with indoor air and no impact on indoor air**
Product which could contain dangerous substances but these substances could never be released into indoor air

Use category: Outdoor "S/W"

Sub categories taking into account the intended use (release scenario):

- **Category S/W1: Product in direct contact with soil, ground- and surface water**
Product that is incorporated into the works with a direct contact with soil, ground- and surface water.
- **Category S/W2: Product with no direct contact with soil, ground- and surface water**
Product with no direct contact to soil/water but dangerous substances could be released into soil-, ground- and surface water due to diffusion.
- **Category S/W3- Product with no contact to soil, ground- and surface water and no impact**
Product which could contain dangerous substances but these substances could never be released into soil, ground- and surface water.

Note: Products can be subjected to only one or to two use categories, related to the intended uses: Indoor and/or outdoor.

.... When a product is submitted to one of the intended uses, they should within this use be classified according to a use category which is related to a specific release scenario.

If only one use category is indicated means that that second use category is not relevant for the intended use of that particular product or component of the kit"

3. GUIDANCE ON HOW TO USE THE NPD OPTION

Regarding this document the npd option there are two different options which have to be considered:

Either

the product has not been assessed for a substance: then the "npd option" applies

or

- a particular substance is not found in the product on the basis of the formulation or the assessment, but in this case, this is not be considered as a "npd" but as the result of the assessment.

4. REVIEW TABLE

The following review table gives an overview which products – grouped into product families- are considered in the EOTA TR and for which categories rules are given in this document. Please note, that this review table considers often more than one category because this is a general overview. For developing product related EOTA TR the relevant category has to be chosen.

If applicable, reference is given to the relevant clause in table 1 so that this clause has to be used.

Additionally the page is indicated where the information can be found.

Products/com ponents of kits	page	Material(s)/Families of substances	Use categories related to release scenarios	
			Indoor Air	Soil, ground- and surface water
General note: additional to the mentioned dangerous substances the content of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2				
Insu- lation products	30	Factory made mineral wool (MW) panels	IA 1,IA 2, I A3	S/W 1,S/W 2, S/W3
	31	Factory made cellular glass (CG)	IA 1,IA 2, I A3	S/W 1,S/W 2, S/W3
	32	Factory made expanded perlite (EPB)	IA 1/IA 2	
	33	Factory made expanded polystyrene (EPS)	IA 1,IA 2, I A3	S/W 1,S/W 2,
	33	Factory made extruded polystyrene (XPS)	IA 1,IA 2, I A3	S/W 1,S/W 2,
	34	Factory made rigid Polyurethane foam (PUR)	IA 1,IA 2, I A3	
	35	In situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foams	IA 1/IA 2	S/W 1
	36	Factory made products of phenolic foam (PF)	IA 1/IA 2	
	38	Slabs based on natural fibres (coco fibre, peat fibre, cotton fibre)	IA 1/IA 2	
	39	Cork slabs	IA 1/IA 2,	
	39	wood based boards	IA 1,IA 2,IA3	
	40	wood wool boards (WW)	IA 1,IA 2, IA3	
	40	Expanded clay leightweight aggregate products	IA 1/IA 2	
Water vapour and air barriers	41	In-situ thermal insulation formed from exfoliated vermiculite (EV) products	IA 1/IA 2	
	42	Sheets/rolls made of organic natural fibres (coco fibre, peat fibre, cotton fibre)	IA 1,IA 2, IA3	
	42	Sheets/rolls made of anorganic fibres	IA 1,IA 2, IA3	
	42	Sheets/rolls made of paper)	IA 1,IA 2, IA3	
	42	Sheets/rolls made of rubber	IA 1,IA 2, IA3	
	42	Sheets/rolls made of PE /LDPE	IA 1,IA 2, IA3	
	43	Sheets/rolls made of PP	IA 1,IA 2, IA3	
	43	Sheets/rolls made of PVC	IA 1,IA 2, IA3	
	44	Bituminous sheets/rolls	IA 1,IA 2, IA3	
	44	Solid wood panels	IA 1,IA 2, IA3	S/W 1,S/W 2,

(external claddings and internal linings)	44	Wood-based panels		IA 1,IA 2, IA3	S/W 1,S/W 2,
	48	composite panels		IA 1/IA 2	S/W 1/S/W 2
	50	Bricks		All	S/W 1/S/W 2
	51	Gypsum panels		IA 1	
	52	Stone			
	52	concrete	cement produced with secondary raw material	IA 1,IA 2, IA3	S/W 1,S/W 2,S/W3
			cement or cement components produced with derived fuels		
	54	Fibre cement	cement produced with secondary raw material	IA 1,IA 2, IA3	S/W 1,S/W 2,
			cement or cement components produced with derived fuels		
	55	Cement based	cement produced with secondary raw material	IA 1,IA 2, IA3	S/W 1,S/W 2,
			cement or cement components produced with derived fuels		
	55	Metall	coated with plastic coat of varnish	IA 1	S/W 2
			coated with laquers or corrosion protection agents		
	56	Panels made of PVC		IA 1,IA 2, IA3	S/W 2
	57	Panels/sheets made of PP+EPDM		IA 1,IA 2,	S/W 2
	57	Panels, sheets made of polycarbonare plastics		All	
	57	Bituminous tiles		IA 1,IA 2, IA3	S/W 2
	57	Glass		IA 1,IA 2, IA3	S/W3
	57	Laminates		IA 1,IA 2, IA3	S/W 2
	58	Mineral bounded Renderings		IA 1,	S/W 2
	58	Organic bounded rendering based on styrol dispersion		IA 1,IA 2	S/W 2
	59	Organic bounded rendering based on vinylacathate dispersion		IA 1, IA 2	S/W 2
	59	Silicate bounded rendering (water glass based)		IA 1,	S/W 2
Timber or wood based prefabricated load-bearing members	60	Solid wood members		IA 1/IA 2	S/W 1/S/W 2
	60	Wood-based members		IA 1/IA 2	S/W 1/S/W 2
	63	composite members		IA 1,IA 2	S/W 1/S/W 2
Jointings/	65	Glass clamping lug		IA 1/IA 2	
	66	Silicone sealer		IA 1,IA 2, IA3	

sealing products	66	Biadhesive tape for partition system fixing to floors Biadhesive tape for glass glueing		IA 1,IA 2, IA3	
	66	Bituminous mastics		IA 1/IA 2	
	67	Rubber mastics		IA 1/IA 2	
Prefabri- cated com-po- nents / Pipes and related products	67	Doors and windows	Metal: coated with plastic coat of var-nish	IA 1,IA 2, IA3	S/W 2
			Metal: coated with PVC laquers or corrosion protec-tion agents		
			Solid wood		
			Wood based prod-ucts		
			PVC		
			PP		
Framings (for inter- nal use e.g. for in- ternal par- tition kits)	71	Framing made of solid wood		IA 2	
	71	Framing made of glued laminated timber		IA 2	
	72	Framing made of metal		IA 1/IA 2	
	72	Framing/Profiles made of PVC		IA 1/IA 2	
	73	Framing/Profiles made of PP+EPDM		IA 1/IA 2	
	73	Starting/Ending profiles, Junction profiles Shim for partition ending profile		IA 1/IA 2	
Sealings/ Mastics (except for fire re- lated is- sues)	74	Glass clamping lug		IA 1,IA 2, IA3	
	75	Silicone sealer with acetic reticulation for glass		IA 1/IA 2	
	75	Biadhesive tape for partition system fixing to floors		IA 1/IA 2	
	75	Biadhesive tape for glass glueing		IA 1/IA 2	
Resilent floor cov- erings	75	Linoleum		IA 1, IA2,	
	76	PVC with or without foam layer and/or cork based backing			
	77	Expanded cushion PVC			
	77	Rubber with or without foam backing			
Building hardware (hinges, locks,...)	78	Coated metals		All	
roof co- verings	79	Concrete tiles			SW2
	80	Ceramic tiles			
	80	Fibre-cement slates and sheets			
	81	Bituminous shingles			
	81	Natural stone			
	82	Metal sheet			

MODEL CLAUSES FOR CONSIDERATION ER 3 *(Draft –not for reference-)*

LIST I

Product characterization		Product characteristic		Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
All	All	"T+" or "T"	All	The use of substances which must be labelled with "T+" or "T" in accordance with Directive 67/548/EEC in the currently valid version should be avoided; where the use of such substances cannot be avoided for technical reasons, a special assessment must take place.	Based on the chemical composition of the product, the approval body will confirm either: - that no toxic or very toxic substances are used or - that based on an individual assessment by the approval body there is no risk, that these substances will be released by consideration of all possible release scenarios	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	All	"N"	S/W 1,S/W 2, S/W3	The use of substances which must be labelled with "N" in accordance with Directive 67/548/EEC in the currently valid version should be avoided if the use of such substances cannot be avoided for technical reasons, a special assessment must take place.	Based on the chemical composition of the product, the approval body will confirm either: - that no environmental hazardous substances are used or - that based on an individual assessment by the approval body there is no risk, that these substances will be released by consideration of all possible release scenarios.	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
All	All	Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2	S/W1, S/W2, S/W3	Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2 in accordance with Directive 67/548/EEC shall not be actively used.	Based on the chemical composition of the product, the approval body will confirm either: - that no teratogenic substances of categories 1 and 2 are used or - that based on an individual assessment by the approval body there is no risk, that these substances will be released by consideration of all possible release scenarios	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater"
	All	Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2	All	Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 in accordance with Directive 67/548/EEC shall not be actively used	Based on the chemical composition of the product, the approval body will confirm either: - that no carcinogenic and mutagenic substances of categories 1 and 2 are used or - that based on an individual assessment by the approval body there is no risk, that these substances will be released by consideration of all possible release scenarios or - that the substance is authorized according EU Regulation 1907/2006 for the named intended use	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors Germany: DIBt approval Guideline ent of the effects of construction products on soil and groundwater"

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Used wood	Contaminations	All	<p>In some member states (e.g. Germany) there are regulations according the use of used wood, which have to be considered.</p> <p>That is why it has either to be declared: a) that no used wood is used or b) the supplier of the used wood delivers a declaration that the used wood was tested for the content (given in mg/kg dry material) of: Arsenic, Lead, Cadmium, Chromium, Copper, Mercury, Chlorine, Fluorine, PCP and PCB. Tar oil (sight control) no pollution allowed</p> <p>Note: The test method described in Annex IV of the Waste Wood Ordinance (Altholzverordnung – AltholzV) (re Article 6) is recommended to be used.</p>	<p>A statement has to be given, either:</p> <p>"No used wood is used"</p> <p>or</p> <p>"Used wood is used"</p> <p>or</p> <p>"The used wood fulfills the threshold values after testing".*</p> <p>Note: In some member states (e.g. in Germany) there are regulations according the use of used wood.</p> <p>b) the supplier of the used wood delivers a declaration on the test results of the used wood for the content of <i>[declare the substance and the result given in mg/kg dry material]</i>.</p> <p>[Note: The threshold values for Germany are: Arsenic- 2 mg/kg dry material; Lead: 30 mg/kg dry material; Cadmium: 2 mg/kg dry material; Chromium: 30 mg/kg dry material; Copper: 20 mg/kg dry material; Mercury: 0,4 mg/kg dry material; Chlorine: 600 mg/kg dry material; Fluorine: 100 mg/kg dry material; PCP: 3 mg/kg dry material; PCB 5 mg/kg dry material]</p>	<p>Germany: Waste Wood Ordinance (Altholzverordnung – AltholzV) Ordinance on the Management of Waste Wood dated 15 August 2002 (promulgated on 23 August 2002 in the Federal Law Gazette Part I, Pg. 3302)</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater" and</p> <p>"Principles for the health assessment of construction products used in interiors</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Halogenated and brominated aromatic organophosphorous compounds	polybrominated diphenylether (PBDE).	All	<p>Either:</p> <p>The content of halogenated and brominated aromatic organophosphorous compounds shall be declared by the applicant.</p> <p>Statement, that the flame retardant does not contain polybrominated diphenylether (PBDE).</p> <p>Or</p> <p>According to the chemical composition of the product the approval body has to declare that the product does not contain halogenated and brominated aromatic organophosphorous compounds.</p> <p>note: CEN TC 351 considers polybrominated diphenylethers and polyhalogenated dibenzodioxines and polyhalogenated dibenzofuranes contained therein (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>The content of halogenated and brominated aromatic organophosphorous compounds shall be declared by the applicant.</p> <p>A statement has to be given that the flame retardant does contain polybrominated diphenyl ether (PBDE),</p> <p>Or</p> <p>Statement of the approval body, that due to the chemical composition the product does not contain halogenated and brominated aromatic organophosphorous compounds (including polybrominated diphenyl ether (PBDE)).</p>	<p>Germany:</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater" and</p> <p>"Principles for the health assessment of construction products used in interiors"</p> <p>Directive 807;EC Directive 2003/11/EC;</p> <p>Proposed prohibited: 2007-9016-N (HBCDD,MCCP)</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II		Tetrabrombisphenol A (TBBPA)	IA1,IA2, IA3,S/W1, S/W2	<p>The content of Tetrabrombisphenol A shall be declared by the applicant.</p> <p>Or</p> <p>According to the chemical composition of the product the approval body has to proof, that no Tetrabrombisphenol A is used.</p> <p>Note1: In some member states the content Tetrabrombisphenol A is restricted, e.g. proposed to be restricted in Norway (products (see list II) with more than 1%)</p>	<p>Either: The content of Tetrabrombisphenol A shall be declared by the applicant.</p> <p>Or</p> <p>Statement of the approval body, that due to the chemical composition the product does not contain Tetrabrombisphenol A</p> <p>Note1: In some member states the content Tetrabrombisphenol A is restricted, e.g. e.g. proposed to be restricted in Norway (products (see list II) with more than 1%)</p>	<p>Proposed prohibited: Notification: Norway: 2007/9016/N C10C</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See list II		Hexabromcyclododecan (HBCDD)	All	<p>The content of Hexabromcyclododecan shall be declared by the applicant.</p> <p>Or</p> <p>According to the chemical composition of the product the approval body has to proof, that no Hexabromcyclododecan is used.</p> <p>Note1: The content of Hexabromcyclododecan shall meet the respective regulations. In Norway products (see list II) with more than 0, 1% Hexabromcyclododecan compounds are proposed prohibited.</p>	<p>Either: The content of Hexabromcyclododecan shall be declared by the applicant.</p> <p>Or</p> <p>Statement of the approval body, that due to the chemical composition the product does not contain Hexabromcyclododecan</p> <p>Note1: In some member states the content Hexabromcyclododecan is proposed to be prohibited, e.g. in Norway (products (see list II) with more than 0,1%)</p>	<p>Proposed prohibited: Notification: Norway: 2007/9016/N - C10C</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Construction products manufactured using organic chemicals	VVOC, VOC, SVOC	IA 1,IA 2,IA3	<p>Either:</p> <p>The release of VOC and SVOC (individual VOC/SVOCs and the sum emission of VOC/SVOC) has to be determined according ISO 16000-ff. and according the CEN TR [add number][at present at the stage of draft]</p> <p>or</p> <p>Based on an individually assessment by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>a statement has to be given, that:</p> <p>The release of VOC,VVOC and SVOC is not verified with this ETAG/CUAP/ETA.</p> <p>Note1:</p> <p>CEN TC 351 considers VOC,VVOC and SVOC (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>The product does meet the requirements according CEN TR [add number] <i>[at present in the stage of draft]</i>.</p> <p>Or</p> <p>Based on an individual assessment <i>[the criteria has to be given individually]</i> by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>- statement, that the release of dangerous substance to indoor air, is not verified with this ETAG/CUAP/ETA.</p> <p>Note1:</p> <p>In Germany the assessment of VOC/SVOC for floorings is obligatory according a national approval.</p>	<p>Germany:</p> <p>"Principles for the health assessment of construction products used in interiors"</p>

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(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Construction products with secondary mineral material	Secondary mineral material	All	In some member states (e.g. Germany) there are regulations according the use of secondary mineral material (content and release), which have to be considered. That is why it has either to be declared: a) that no secondary mineral material is used or at the supplier of the secondary mineral material delivers a declaration that the product was tested and complied with threshold values in the member states of destination.	A statement has to be given, either: "No secondary mineral material is used" or "Secondary mineral material is used" or "The secondary mineral material fulfills the threshold values after testing"	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors
Radioactivity/ Radonexhalation	All	Nuclides: K, Th, Rd and their potential radioactivity	All	The radioactivity and the radon exhalation has to be determined according the [EOTA TR ...-has to be worked out] Note: CEN TC 351 considers radioactivity and radon exhalation. Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.	The radioactivity has to fulfill the criteria of the EOTA TR [XY- has to be worked out]	Directive 96/29/Euratom Austrian [....] Poland [.....]

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(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Construction products with inorganic components	Heavy metals, semimetals	S/W 1, S/W 2,S/W 3	<p>Either:</p> <p>The release of heavy metals and semi-metals has to be determined according to the CEN TR [number] [<i>at present at the stage of draft</i>]</p> <p>or</p> <p>Based on an individually assessment by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios, taking into account the following criteria [add criteria]. .</p> <p>Or</p> <p>a statement has to be given, that:</p> <p>The content and/or release of metals and semimetals to soil and/or water is not verified with this [choose: ETAG/CUAP/ETA].</p> <p>Note:</p> <p>CEN TC 351 considers heavy metals and semimetals leach into soil and water (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>The product does meet the requirements according CEN TR [add number] [<i>at present in the stage of draft</i>].</p> <p>or</p> <p>Based on an individual assessment [<i>the criteria hast be given individually</i>] by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>- Statement, that the release of metals and semimetals to soil/water, is not verified with this ETAG/CUAP/ETA.</p>	<p>Germany:</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater"</p>

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(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Wood preservatives	fungicides, biocides or pyrethroides [Perfluorooctanesulfonate (PFOS)]	All	<p>In General only such biocides shall be applied which are approved according to Commission Directive 98/8/EC of the European Parliament and of the Council. As long as Annex I of Directive 98/8/EC is under development only such active substances in biocides shall be applied which are notified for the product type (Commission Decision 2038/2003 as amended. The declaration given in EN 15228 (at present in the stage of draft) has to be considered.</p> <p>Additionally the following has to be considered: Permethrin shall be substituted. The content of PCP has to be determined according CEN TR 14823.</p> <p>Note 1: As long as Annex I of the Directive 98/8/EC is under development only such active substance(s) shall be used which are notified for PT 8 (Product Type 8) according Commission Decision 1451/2007 as amended.</p> <p>Note 2: As long as Annex I of this Directive is under development an additional national approval is necessary in some member states, e.g. Germany</p> <p>Note 3: CEN TC 351 considers PCP and PFOS (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p> <p>Note 4 Norway: It is proposed to prohibit consumer products with more than 0.1 % PCP by weight in homogenous parts of the product. Germany: the content of PCP does not exceed 5 ppm.</p>	<p>The use of biocide(s) has/have to be declared by the applicant according EN 15228 .</p> <p>Statement, if the biocide is approved according Commission Directive 98/8/EC or reference to a national approval has to be given.</p> <p>Additionally the following has to be considered: Declaration of the content of PCP.</p> <p>Note 1: As long as Annex 1 of the Directive 98/8/EC is under development only such active substance(s) shall be used which are notified for PT 8 (Product Type 8) according Commission Decision 2038/2003 as amended. As long as Annex 1 of this Directive is under development an additional national approval is necessary in some member states, e.g. Germany</p> <p>Note 2: In Germany the content of PCP does not exceed 5 ppm. In Norway the content of 0,1 % is proposed prohibited</p> <p>According to EC Directive 2003/53/EC the use of PCP and its salts and esters in concentrations of 0,1 mass% or more in substances or preparations are forbidden. Nonylphenol and nonylphenolethoxylate can not be market as a compound or a component of a preparation in concentrations of 0,1 mass% or more, inter alia, as co-formulants in anti growth protection products and biocides.</p>	<p>Council Directive 76/769/EEC</p> <p>Germany: Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz (Chemikaliengesetz (Chemikaliengesetz - ChemVerbotsV)</p> <p>Directive 98/8/EC, 2007/565/EC</p> <p>Royal Decree of 25/02/1996 (Belgium)- PCP</p> <p>Royal Decree of 05/10/1998 (Belgium)- creosote</p> <p>Royal Decree of 25/02/1996 (Belgium)- nonylphenol and nonylphenolethoxylate</p> <p>Norway: 2007/9016/N - C10C</p>

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(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See list II	antimicrobial agents (e.g. in can preservatives, insecticides, film preservatives, insecticides, and products to control other arthropods)	e.g. Arsenic compounds	All	<p>In General only such substances shall be applied which are approved according to Commission Directive 98/8/EC of the European Parliament and of the Council. As long as Annex I of Directive 98/8/EC is under development, only such biocides shall be applied which are notified for the product type (Commission Decision 1451/2007 as amended). The manufacturer has to declare the following information to the approval body:</p> <ul style="list-style-type: none"> - declaration of the biocide - amount and stage of the treatment - Chemical name(s) of the active agent(s) - Concentration of the active agent. <p>This information will only be part of the Evaluation report and no part of the ETA (CE-marking).</p> <p>Additionally the following has to be considered:</p> <ul style="list-style-type: none"> - Permethrin shall be substituted (for release scenarios IA 1/IA 2) - Arsenic compounds shall not be used <p>Note 1: As long as Annex I of Directive 98/8/EC is under development only such active agent(s) shall be used which are notified for the relevant Product Type (e.g. Product Type 6, 7 or 18) according Commission Decision 1451/2007 and amendments.</p> <p>Note 2: As long as Annex I of Directive 98/8/EC is under development an additional national approval is necessary, e.g. in Germany.</p>	<p>Based on the information declared by the manufacturer on:</p> <ul style="list-style-type: none"> - the amount and stage of the treatment - the chemical name(s) of the active agent(s) and - the concentration of the active agent, and an EOTA internal agreement [via the commenting period] the product does meet the requirement for marketable antimicrobial agents as long Annex 1 of Directive 98/8/EC of the European Parliament and of the Council is under development. . <p>Note 1: As long as Annex 1 of Directive 98/8/EC is under development only such active agent(s) shall be used which are notified for the relevant Product Type (e.g. Product Type 6, 7 or 18) according Commission Decision 1451/2007 and amendments.</p> <p>As long as Annex 1 of Directive 98/8/EC is under development an additional national approval is necessary in some member states, e.g. Germany.</p>	<p>Germany:</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater" and</p> <p>""Principles for the health assessment of construction products used in interiors"</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Construction products with organic components	organic compounds (e. g. TOC, PAH, PCB)	S/W 1, S/W2,	<p>Either:</p> <p>The release of organic compounds has to be determined according to the CEN TR [number] <i>[at present at the stage of draft]</i></p> <p>or</p> <p>Based on an individually assessment by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios, taking into account the following criteria [add criteria]. .</p> <p>Or</p> <p>a statement has to be given, that:</p> <p>The content and/or release of organic compounds (e. g. TOC, PAH, PCB) are not verified with this <i>[choose: ETAG/CUAP/ETA]</i>.</p> <p>Note: CEN TC 351 considers organic compounds (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>The product does meet the requirements according CEN TR [add number] <i>[at present in the stage of draft]</i>.</p> <p>Or</p> <p>Based on an individual assessment <i>[the criteria hast be given individually]</i> by the approval body there is no risk, that theses substances will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>- Statement, that the release of organic compounds (e. g. TOC, PAH, PCB) to soil and/or water is not verified with this ETAG/CUAP/ETA.</p>	<p>Germany:</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater"</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Man made mineral fibres/ceramic fibres (used to improve the structure cohesion)	Man made mineral fibres/ceramic fibres: Carcinogenic fibres of EU category C1 and C2	All	<p>Man made mineral fibres/ceramic fibres, which are declared as carcinogenic of the EU category I and II (with exception of asbestos because asbestos is forbidden by European directive 76/769) shall not be used.</p> <p>note: exception for ceramic fibres:</p> <p>If the applicant can show sufficiently, that there are no alternative products on the market available to achieve the technical behaviour of the material, the approval body can decide to give an assessment of the products.</p> <p>note:</p> <p>CEN TC 351 considers Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide content greater than 18 % by weight (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Man made mineral fibres shall only be used, if they fulfil one of the conditions of method I or method II.</p> <p>For Germany method I is mandatory.</p> <p><u>Method I:</u></p> <ol style="list-style-type: none"> 1. Proof that a suitable intraperitoneal test did not express signs of excessive carcinogenicity 2. The half life of intratracheal instillation of a 2 mg fibre- suspension for fibres longer than 5 µm, a diameter less than 3 µm und and a relation of length to diameter greater than 3:1 (WHO-Fasern) do not exceed 40 days, 3. The "Kanzerogenitätsindex KI", resulting from the difference between the sum of the mass contents (in %) of the oxides of sodium, potassium, boron, calcium, Magnesium, barium and the double mass content (in %) of alumina results, is at least 40. <p><u>Method II:</u> The product has to meet the requirements given in comment Q and R of the Directive 97/69/EG. <u>Ceramic fibres:</u> Ceramic fibres shall not be used.*</p> <p>* If the applicant can show sufficiently, that there are no alternative products on the market available to achieve the technical behavior of insulation material, the approval body can decide to give an approval for the product/kit anyway.</p> <p>Declaration of the carcinogenic potential of the used fibres.</p>	<p>Directive 97/69/EC, 1998-156-D (fibre composition);</p> <p>Germany: DIBt approval Guideline</p> <p>"Principles for the health assessment of construction products used in interiors</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Plasticisers	DEHP, DBP, BBP, medium chained chlorinated paraffins (MCCP)	IA 1/IA 2 S/W1/ S/W 2	<p>Plasticisers which are chemically based on DEHP or DBP should be avoided.</p> <p>Either:</p> <p>Declaration that the product does not contain DEHP, DBP, BBP or MCCP.</p> <p>or</p> <p>The content of the used plasticisers has to be verified.</p> <p>Note1: CEN TC 351 considers DEHP (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p> <p>Note 2: The content of DEHP is proposed to be prohibited in Norway on products with more than 0.1 percent DEHP by weight in the product's homogeneous component parts in plastic/PVC rubber, paint and glue.</p>	<p>Either:</p> <p>Declaration that the product does not contain DEHP, DBP, BBP.</p> <p>or</p> <p>The content and the chemical type of the used plasticisers has to be given.</p> <p>Note : The content of DEHP is proposed to be prohibited in Norway on products with more than 0.1 percent DEHP by weight in the product's homogeneous component parts in plastic/PVC rubber, paint and glue.</p>	<p>2007-9016-N (DEHP)</p> <p>2007-9016-N (MCCP)</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Metal and metallic compounds	Cadmium	All	<p>The content of cadmium in plastics, paints, lacquers, varnishes, zinc or zinc coatings shall be declared by the applicant.</p> <p>If cadmium or a cadmium compound is used as a coating, this shall be declared by the applicant.</p> <p>Note1: The content of cadmium and cadmium compounds contained in plastics, paints, laquers, varnishes, zinc or zinc coatings and used as a coating shall meet the respective regulations, e.g in Norway products containing more than 0,01 cadmium or cadmium compounds are proposed prohibited.</p> <p>Note 2: CEN TC 351 considers cadmium and cadmium compounds (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>The content of cadmium contained in plastics, paints, lacquers, varnishes, zinc or zinc coatings shall be given in % per weight.</p> <p>or</p> <p>Declaration, that the product does not contain Cadmium.</p> <p>Note1: The content of cadmium and cadmium compounds contained in plastics, paints, laquers, varnishes, zinc or zinc coatings and used as a coating shall meet the respective regulations, e.g in Norway products containing more than 0,01 cadmium or cadmium compounds are proposed prohibited.</p>	<p>Belgium: Royal Decree of 25/02/1996 [Cadmium)</p> <p>Proposed prohibited: Notification: Norway: 2007/9016/N</p> <p>Austria: "....."</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Metal and metallic compounds	Arsenic and arsenic compounds	All	<p>The content of arsenic or arsenic compounds shall be declared by the applicant.</p> <p>Note1: The content of arsenic and arsenic compounds shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,01% arsenic by weight are proposed prohibited.</p>	<p>Either: The content of arsenic or arsenic compounds shall be given in % per weight.</p> <p>Or</p> <p>Declaration, that the product does not contain arsenic or arsenic compounds.</p> <p>Note1: The content of arsenic and arsenic compounds shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,01% arsenic by weight are proposed prohibited.</p>	<p>proposed prohibited.</p> <p>Notification: Norway: 2007/9016/N - C10C</p>
See List II		Lead and lead compounds	All	<p>The content of lead or of lead compounds shall be declared by the applicant.</p> <p>Or</p> <p>According to the chemical composition of the product the approval body has to proof, that no lead or lead compounds are used.</p> <p>Note1: The content of lead or lead compounds shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,01% lead or lead compounds are proposed prohibited.</p>	<p>Either: The content of lead or lead compounds shall be given in % per weight.</p> <p>Or</p> <p>Statement of the approval body that due to the chemical composition the product does not contain lead or lead compounds.</p> <p>Note1: In some member states the content of lead or of lead compounds shall be is restricted, e.g. in Norway (products (see list II) with more than 0,01%) are proposed prohibited.</p>	<p>proposed prohibited.</p> <p>Notification: Norway: 2007/9016/N - C10C</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II		Bisphenol A	All	<p>The content of Bisphenol A shall be declared by the applicant.</p> <p>Note1: The content of Bisphenol A shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,005% free Bisphenol A are proposed prohibited.</p>	<p>Either: The content of Bisphenol A shall be given in % per weight. Or Declaration, that the product does not contain Bisphenol A.</p> <p>Note1: In some member states the content of Bisphenol A is restricted, e.g. in Norway (products (see list II) with more than 0,005% free Bisphenol A) are proposed prohibited.</p>	<p>proposed prohibited. Notification: Norway: 2007/9016/N - C10C</p>
See List II	Chlorinated paraffins	Medium-chained chlorinated paraffins, C14-C17 (MCCP)	All	<p>The content of Medium-chained chlorinated paraffins, C14-C17 (MCCP) shall be declared by the applicant.</p> <p>Or According to the chemical composition of the product the approval body has to proof, that no Medium-chained chlorinated paraffin, C14-C17 (MCCP) is used.</p> <p>Note1: The content of lead medium-chained chlorinated paraffin shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,1% medium-chained chlorinated paraffin compounds are proposed prohibited.</p>	<p>Either: The content of Medium-chained chlorinated paraffins, C14-C17 (MCCP) shall be declared given in % per weight. Or Statement of the approval body, that due to the chemical composition the product does not contain Medium-chained chlorinated paraffins, C14-C17 (MCCP)</p> <p>Note1: In some member states the content Medium-chained chlorinated paraffins, C14-C17 (MCCP) is restricted, e.g. in Norway (products (see list II) with more than 0,1%) are proposed prohibited.</p>	<p>proposed prohibited. Notification: Norway: 2007/9016/N - C10C</p>

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Organic tin compounds	Tributyltin compounds (TBT)	All	The content of Tributyltin compounds (TBT) shall be declared by the applicant. Or According to the chemical composition of the product the approval body has to proof, that no Tributyltin compounds (TBT) is used. Note1: The content of Tributyltin compounds (TBT) shall meet the respective regulations. In Norway products (see list II) with more than 0,001% Tributyltin compounds (TBT) are proposed prohibited.	Either: The content of Tributyltin compounds (TBT) shall be given in % per weight. Or Statement of the approval body, that due to the chemical composition the product does not contain Tributyltin compounds (TBT). Note1: In some member states the content Tributyltin compounds (TBT) is restricted, e.g. in Norway (products (see list II) with more than 0,001%) are proposed prohibited.	proposed prohibited Notification: Norway: 2007/9016/N C10C
		Triphenyltin butylin compounds (TPT)	All	The content of Tributyltin compounds (TBT) shall be declared by the applicant. Or According to the chemical composition of the product the approval body has to proof, that no Tributyltin compounds (TBT) is used. Note1: The content of Tributyltin compounds (TPT) shall meet the respective regulations. In Norway products (see list II) with more than 0,001% Tributyltin compounds (TPT) are proposed prohibited.	Either: The content of Tributyltin compounds (TBT) shall given in % per weight. Or Statement of the approval body that due to the chemical composition the product does not contain Tributyltin compounds (TBT). Note1: In some member states the content Tributyltin compounds (TBT) is restricted, e.g. in Norway (products (see list II) with more than 0,001%) are proposed prohibited.	proposed prohibited Notification: Norway: 2007/9016/N C10C

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Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Perfluorinated compounds	Perflourooctyl acid (PFOA) and individual salts and esters of PFOA	All	<p>The content of Perflourooctyl acid (PFOA) and individual salts and esters of PFOA shall be declared by the applicant.</p> <p>Or</p> <p>According to the chemical composition of the product the approval body has to proof, that no Perflourooctyl acid (PFOA) and individual salts and esters of PFOA are used.</p> <p>Note1:</p> <p>The content of Perflourooctyl acid (PFOA) and individual salts and esters of PFOA shall meet the respective regulations.</p> <p>In Norway products (see list II) with more than 0,005% Perflourooctyl acid (PFOA) are proposed prohibited.</p>	<p>Either:</p> <p>The content of Perflourooctyl acid (PFOA) and individual salts and esters of PFOA shall be given in % per weight.</p> <p>Or</p> <p>Statement of the approval body, that due to the chemical composition the product does not contain Perflourooctyl acid (PFOA) and individual salts and esters of PFOA .</p> <p>Note1:</p> <p>In some member states the content Perflourooctyl acid (PFOA) and individual salts and esters of PFOA is restricted, e.g. in Norway (products (see list II) with more than 0,005% are proposed prohibited)</p>	<p>proposed prohibited</p> <p>Notification:</p> <p>Norway: 2007/9016/N - C10C</p>
See List II	Bituminous impregnated wood fibres: PAH Benzo(a)pyrene		IA 1/IA 2 S/W 2	<p>Only bitumen on the basis of fuel oil has to be used. The content of PAH of the bitumen has to be determined according to US EPA. The concentration of BaP must not exceed 5 ppm for IA 1 and IA 2 and 50 ppm for S/W 2.</p> <p>Note1:</p> <p>CEN TC 351 considers PAH and BaP (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>"No use of tar oils" or declaration of the content (measurement value) of benzo(a)pyrene in the bituminous material. The limit value is 5ppm (IA 1,IA 2)/50 ppm for S/W 2.</p>	<p>Germany:</p> <p>DIBt approval Guideline</p> <p>"Assessment of the effects of construction products on soil and groundwater" and</p> <p>"Principles for the health assessment of construction products used in interiors"</p>

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LIST I

Product characterization		Product characteristic		Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)		(table 1, column 4 of ETAG/CUAP ETA)	(table 1, column 5 of ETAG/CUAP ETA)	
Products/components of kits	Material(s)/Families of substances	dangerous substance(s) have to be considered for product testing	Release scenario(s)/	Model clauses for Verification	Model clauses for assessing and judging	notified regulation, national regulation e.g.:
See List II	Formaldehyde	Formaldehyde	All	<p>The formaldehyde release of “[<i>add product name of list II</i>]” for use “[<i>add release scenario of list II</i>]” shall be determined according to the test standard “[<i>insert test method according footnote 3</i>], if raw materials containing formaldehyde are used in the production process.</p> <p>Note 1: In some MS for some products the use of EN 717-1 is mandatory.</p> <p>Note 2: If regulatory requirement exists in the country of production and destination the product shall fulfil the requirements of class E1 according to table “Classification criteria for the class E1 and E2 for the emission of formaldehyde.</p>	<p>The formaldehyde release of “[<i>add product name of list II</i>]” for use “[<i>add product name of list II</i>]” is determined according to the test standard “[<i>Insert test method.</i>], if raw materials containing formaldehyde are used in the production process.</p> <p>Note 1: In some MS for some products the use of EN 717-1 is mandatory”</p> <p>Note 2: If regulatory requirement exists in the country of production and destination the product shall fulfil the requirements of class E1 according to table “Classification criteria for the class E1 and E2 for the emission of formaldehyde”.</p>	See list II

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LIST I

Table: Classification criteria for the class E1 and E2 for the emission of formaldehyde

Class	Classification criteria	Test method
E1	Equilibrium concentration of formaldehyde in the air of a test chamber: $\leq 0.1 \text{ ml/m}^3$ ($\leq 0.12 \text{ mg/m}^3$).	See footnote ³
E2	Equilibrium concentration of formaldehyde in the air of a test chamber: $> 0.1 \text{ ml/m}^3$ (0.12 mg/m^3)	XYZ ³
Requirements for CE marking: Release of formaldehyde: E1, E2 or NPD		

³ Available methods are:

EN 717-1: 2004 *Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method"*

EN ISO 16000-9: 2006 *Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method* in combination with

EN ISO 16000-3: 2001 *Indoor Air – Part 3: Determination of formaldehyde and other carbonyl compounds -- Active sampling method* and **EN ISO 16000-11: 2006** *Indoor air -- Part 11:*

Determination of the emission of volatile organic compounds from building products and furnishing -- Sampling, storage of samples and preparation of test specimens.

For the comparability of the methods construction product TCs may consult CEN/TC 351, working group 2. A harmonised test method is under development by CEN/TC 351, working group 2.

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Insulation products					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Factory made mineral wool (MW) panels	Man made mineral fibres/ceramic fibres: Carcinogenic fibres of EU category C1 and C2	All	See List I	See List I	Directive 97/69/EC, 1998-156-D (fibre composition; 2002-271-FIN (VOC, formaldehyde, PCP), 2005-649-S (decabromodiphenylether), Decision 94/783/EC, Decision 1999/831/EC (PCP), Directive 98/8/EC, Decision 2007/565/EC (biocides) Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	binder (aminoplast - / phenoplastic – resin):	IA 2 IA 1 IA3	See list I	See list I	
	Formaldehyde				
	Binder and waterproofing agents: VVOC, VOC, SVOC	IA 1/IA 2	See List I	See List I	
	If coverings are used: plasticizer DEHP, DBP, BBP	IA 1/IA 2	See List I	See List I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	halogenated aromatic or halogenated organophosphorous compounds In case of fire: dioxin- und furan compounds. [Dioxins and furans may occur as contaminants in halogenated organic chemicals.]	IA 1/IA 2	See List I	See List I	
	<i>If recovered glass is used: lead glass: heavy metals: lead, arsenic, cadmium and its compounds, chromium, copper, mercury</i>	All	<i>Test of the content of heavy metals note: Heavy metals are considered by TC 351 for emission into indoor air (see priority list indoor air). Therefore the verification is provisionally, because harmonized European provision are missing. Coming European provisions could request other verification methods.</i>	Measurement value	<i>Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors</i>
Factory made cellular glass (CG)	if clotted: bitumen: PAH	IA 1/IA 2	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	lead	S/W 1	[has to be developed]	[has to be developed]	2007-9016-N, directive 2000/60/EC, directive 80/68/EEC
	if clotted: glues; VVOC, VOC, SVOC	IA 1/IA 2		See List I	
	If clotted: glues: Bisphenol A	All	See list I	See list I	Notification: Norway: 2007/9016/N - C10C
Factory made expanded perlite (EPB)	Perlite: radioactivity	All	See list I	See list I	Directive 96/29/Euratom Austrian [....] Poland [.....]
	hydrophobic agents: if bitumen is used: PAH	IA 1/IA 2	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	if natural resin, silicon or polysiloxane are used: VVOC, VOC, SVOC	IA 1/IA 2	See List I	See List I	

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	If coverings are used: Polybrominated diphenylether (PBDE),hexabromcyclododecane (HBCDD), medium chained chlorinated paraffins (MCCP) (product and/or covering)	IA 1/IA 2	See List I	See List I	
	If coverings are used: plasticizer: DEHP, DBP, BBP	IA 1,IA 2,IA3	See List I	See List I	
Factory made expanded polystyrene (EPS)	Styrene: styrene residual monomer	IA1,IA 2, IA3 S/W1,S/W2,	Disclosure of the manufacturing process.	Determination of regards. [<i>The installation of <u>stored</u> insulation products is recommended.</i>] [An adequate air convection during the initial use is recommended.]	2002-271-FIN (Styrene, formaldehyde,VOC,pentane), 2007-9016-N (HBCDD,MCCP), Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors
	expanding agent: pentane	IA1,IA 2, IA3 S/W1,S/W2,	[Methods of verification adv. assessing and judging have to be worked out.]		
	Stabilizers (Pherole): VVOC, VOC, SVOC	IA1,IA 2, IA3 S/W1,S/W2,	See List I:	See List I	
	flame retardants: Polybrominated diephenylether (PBDE),hexabromcyclododecane (HBCDD), medium chained chlorinated paraffins (MCCP) (product and/or covering)	IA1,IA 2, IA3 S/W1,S/W2,	See List I	See List I	
	If coverings are used: Plasitizisers: DEHP, DBP, BBP	IA1,IA 2, IA3 S/W1,S/W2,	See List I	See List I	
Factory made extruded polystyrene	Styrene: styrene residual monomer	IA 1,IA 2, IA3 S/W 1,S/W 2,	Disclosure of the manufacturing process.	Determination of regards. [<i>The installation of <u>stored</u> insulation products is recommended.</i>]	Directive 80/68/EEC (organohalogen compounds, organophosphorus compounds, substances which

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
(XPS)	expanding agents: pentane	IA 1,IA 2, IA3 S/W 1,S/W 2,	[Methods of verification adv. assessing and judging have to be worked out.]		possess carcinogenic mutagenic or teratogenic properties); 2001-121-DK, 2005-485-A (HFC); 2007-9016-N (HBCDD, MCCP), 2002-271-FIN (styrene, VOC, pentane, TBP, TPP)
	plasticisers, stabilizers (Pherole): DEHP, DBP, BBP VVOC, VOC, SVOC	IA 1,IA 2, IA3, S/W 1,S/W 2,	See List I	See List I	
	organohalogen compounds and substances which may form such compounds in the aquatic environment, organophosphorus compounds, substances which possess carcinogenic mutagenic or teratogenic properties in or via the aquatic environment	IA 1,IA 2, IA3 S/W 1,S/W 2,	See list I	See list I	
	Hydrofluorcarbon (HFC)	IA 1,IA 2, IA3, S/W 1,S/W 2, S/W3	See list I	See list I	
	flame retardants : Polybrominated diephenylether (PBDE),hexabromcyclododecane (HBCDD), <i>medium chained chlorinated paraffins (MCCP)</i> (product and/or covering)	IA 1,IA 2, IA3, S/W 1,S/W 2, S/W3	See List I	See List I	
Factory made rigid	polyisocyanat and polyol: VVOC, VOC, SVOC	IA 1/IA 2	See List I	See List I	Directive 76/769/EEC (pentabromodipheylether, cadmium);

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Polyurethane foam (PUR)	expanding agents: isocyanate, Pentane, hydrofluorcarbons (HFC)	IA 1/IA 2	[Methods of verification adv. assessing and judging have to be worked out.]	[Methods of verification adv. assessing and judging have to be worked out.]	2001-121-DK, 2005-485-A (HFC); 2002-271-FIN (pentane, isocyanates, TBP, TPP), 2005-649-S (decabromodiphenylether); 2007-9016-N (HBCDD, DEHP, TBT, TPT) Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	flame retardants: TCPP, epichlorhydrin, <i>Polybrominated diphenylether (PBDE)</i> , <i>hexabromocyclododecane (HBCDD)</i> , <i>medium chained chlorinated paraffins (MCCP)</i> (product and/or covering)	IA 1/IA 2	See List I	See List I	
	Promoters: stannous organic compounds	All	Declaration, that no stannous organic compounds are used.		
	If coverings are used: plasticizer: DEHP (also for the product), DBP, BBP	IA 1/IA 2	See List I	See List I	
	<i>biocides</i>	<i>IA 1/IA 2</i>	<i>See list I</i>	<i>See list I</i>	
	organic phosphorous esters including halogenated compounds (TCPP, TCED)	IA 1/IA 2,	Methods of verification adv. assessing and judging have to be worked out.]	Methods of verification adv. assessing and judging have to be worked out.]	
	<i>cadmium</i>	<i>IA 1/IA 2,</i>	<i>See List I</i>	<i>See List I</i>	
In situ formed sprayed rigid polyurethane	expanding agents: (HFCKW), isocyanate, Pentane, hydrofluorcarbons (HFC)	IA 1/IA 2 S/W 1	[Methods of verification adv. assessing and judging have to be worked out.]	[Methods of verification adv. assessing and judging have to be worked out.]	Directive 76/769/EEC (pentabromodiphenylether, cadmium); 2001-121-DK, 2005-485-A (HFC);

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
(PUR) and polyisocyanurate (PIR) foams	flame retardants Polybrominated diephenylether (PBDE),hexabromcyclododecane (HBCDD), medium chained chlorinated paraffins (MCCP) (product and/or covering)	IA 1/IA 2 S/W 1	See List I	See List I	2002-271-FIN (pentane, isocyanates, TBP, TPP), 2005-649-S (decabromodiphenylether); 2007-9016-N (HBCDD, DEHP, TBT, TPT) Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors
	If coverings are used: plasticizer: DEHP (also for the product), DBP, BBP	IA 1/IA 2, S/W 1	See List I	See List I	
	biocides	IA 1/IA 2, S/W 1	See list I	See list I	
	tributhyltin compounds (TBT), triphenyltin compounds (TBT)	IA 1/IA 2, S/W 2	Methods of verification adv. assessing and judging have to be worked out.]	Methods of verification adv. assessing and judging have to be worked out.]	
	cadmium	IA 1/IA 2,S/W 1	See List I	See List I	
	Organic phosphoric esters including halogenated compounds (TCCP, TCED)	IA 1/IA 2, S/W 1	Has to be developed	Has to be developed	
Factory made products of phenolic foam (PF)	Formaldehyde	IA 2 IA 1 IA3	See List I	See List I	2002-271-FIN (phenol, formaldehyde) Germany:

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(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Phenol	IA 1/IA 2	<p>Either:</p> <p>The release of phenol has to be determined according EN ISO 16000-9.</p> <p>or</p> <p>Based on an individually assessment by the approval body there is no risk, that phenol will be set free by consideration of all possible release scenarios.</p> <p>Note 1:</p> <p>CEN TC 351 considers phenol emit into indoor air (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>Based on an individually assessment by the approval body there is no risk, that phenol will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>The equilibrium concentration of phenol in the air of a test chamber according EN ISO 16000-9 shall be given.</p>	<p>DIBt approval Guideline</p> <p>"Principles for the health assessment of construction products used in interiors</p>

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Isopropylchloride	IA 1/IA 2	<p>Either:</p> <p>The release of isopropylchloride has to be determined according EN ISO 16000-9.</p> <p>or</p> <p>Based on an individually assessment by the approval body there is no risk, that isopropylchloride will be set free by consideration of all possible release scenarios.</p> <p>Note 1: CEN TC 351 considers Isopropylchloride (see "Indicative list on dangerous substances"). Therefore the verification is provisional, because harmonized European provisions do not exist. Future European provisions could request other verification methods.</p>	<p>Either:</p> <p>Based on an individually assessment by the approval body there is no risk, that isopropylchloride will be set free by consideration of all possible release scenarios.</p> <p>or</p> <p>The equilibrium concentration of isopropylchloride in the air of a test chamber according EN ISO 16000-9 shall be given.</p>	
Slabs based on natural fibres (coco fibre, peat fibre, cotton fibre)	Additives: Biocides, fungicides	IA 1/IA 2,IA3	see List I	See list I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Binder, fibres: VVOC, SVOC,VOC,	IA 1/IA 2,IA3	see List I	See list I	
	Additives Flame retardants	IA 1/IA 2,IA3	see List I	see List I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Cork slabs (ICB)	Additives: Biocides, fungicides	IA 1/IA 2,IA3	see List I	see List I	2002-271-FIN (VOC), Directive 98/8/EC, Decision 2007/565/EC Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Binder (natural binder), VVOC, SVOC,VOC,	IA 1/IA 2	see List I	see List I	
	Formaldehyde	IA 2 IA 1 IA3	See list I	See list I	
Wood based boards (particle boards,plywood, wood-fibre boards, block board and similar wood-based boards)	If coverings are used: plasticizer: DEHP, DBP, BBP	IA 1,IA 2,IA3	See List I	See List I	2002-271-FIN (VOC, formaldehyde, PCP), Decision 94/783/EC, Decision 1999/831/EC (PCP), Directive 98/8/EC, Decision 2007/565/EC (biocides) Austria: Formaldehyd Verordnung, BGBl.Nr. 194/1990 DK: Buildings regulations for ehverss-of etagebyggeri (2007); Germany: ChemVerbotsVO Sweden:KIFS 1998:8, Sections 21-26 Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	urea-formaldehyd resin: Formaldehyde	IA1,IA 2,IA3	See List I	See List I	
	If used wood is used Biocides (Pentachlorophenol)	IA1,IA 2,IA3	See list I	See list I	
	foam stabilizers: Siloxane	IA 1,IA 2	Has to be developed	Has to be developed	

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
wood wool boards (WW)	If used wood is used: wood-preserved (biocides)	IA1,IA2,IA3	See list I	See List I	2002-271-FIN (VOC, formaldehyde, PCP), 2005-649-S (de-cabromodiphenylether), Decision 94/783/EC, Decision 1999/831/EC (PCP), Directive 98/8/EC, Decision 2007/565/EC (biocides) Austria: Formaldehyd Verordnung, BGBl.Nr. 194/1990 DK: Buildings regulations for ehverss-of etagebyggeri (2007); Germany: ChemVerbotsVO Sweden:KIFS 1998:8, Sections 21-26 Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	If coverings are used : plastizisers DEHP, DBP, BBP	IA1,IA2,IA3	See list I	See list I	
	urea-formaldehyd resin: Formaldehyde	IA1,IA2,IA3	See List I	See List I	
	Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3	See list I	See list I	
	PAH / Benzo(a)pyrene (if treatment with bitumen)	IA 1,IA 2, IA3	See List I	See list I	
Expanded clay lightweight aggregate products	Radioactivity	IA 1/IA 2	See list I	See list I	Directive 96/29/Euratom Austrian [....] Poland [.....]

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
In-situ thermal insulation formed from exfoliated vermiculite (EV) products	Radioactivity	IA 1/IA 2	See list I	See list I	Directive 96/29/Euratom Austrian [....] Poland [.....]
Water vapour and air barriers					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Sheets/rolls made of organic natural fibres (coco fibre, peat fibre, cotton fibre)	Binder, fibres VVOC, SVOC,VOC,	IA1,IA2,IA3	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors"
	Additives flame retardants	IA1,IA2,IA3	see List I	see List I	
	Additives biocides, fungicides	IA1,IA2,IA3	see List I	see List I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Sheets/rolls made of anorganic fibres	Binder, fibres VVOC, SVOC,VOC,	IA1,IA2,IA3	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Additives flame retardants	IA1,IA2,IA3	see List I	see List I	
	Man made mineral fibres	IA1,IA2,IA3	see List I	see List I	
Sheets/rolls made of paper	Binders VVOC, SVOC,VOC,	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Additives flame retardants	IA1,IA2,IA3	see List I	see List I	
	Additives biocides, fungicides	IA1,IA2,IA3	see List I	see List I	
Sheets/rolls made of rubber	rubber VVOC, SVOC,VOC,	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Additives flame retardants	IA1,IA2,IA3	see List I	see List I	
Sheets/rolls made of PE /LDPE	flame retardants	IA1,IA2,IA3	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Sheets/rolls made of PP	Plastizers DEHP,DBP,BBP	IA1,IA2,IA3	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	flame retardants halogenated aromatic or halogenated organophosphorous compounds	IA1,IA2,IA3	see List I	see List I	
Sheets/rolls made of PVC	Plastizers DEHP,DBP,BBP	IA1,IA2,IA3	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	flame retardants halogenated aromatic or halogenated organophosphorous compounds	IA1,IA2,IA3	see List I	see List I	
	Bisphenol A	IA1,IA2,IA3	See list I	See list I	Proposed prohibited: Notification: Norway: 2007/9016/N - C10C
	Cadmium (Stabilizer)	IA1,IA2,IA3	See list I	See list I	Notification: Norway: 2007/9016/N - C10C Norway: 2007/9016/N - C10C
	Medium chained chlorinated paraffins	IA1,IA2,IA3	See list I	See list I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Bituminous sheets/rolls	Bituminous impregnated wood fibres PAH Benzo(a)pyrene	IA1,IA2,IA3	See list I	See list I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors"
Solid wood panels	Flame retardants halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3, S/W 1,S/W 2,	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)		
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)		
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Sheets/Tiles/Boards (external claddings and internal linings)						
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account:						
<u>for scenario IA1,IA2, IA3:</u>						
Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2						
<u>for scenario S/W1, S/W2, S/W3:</u>						
Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2						
Solid wood panels	Flame retardants halogenated aromatic or halogenated organophosphorous compounds		IA 1,IA 2, IA3, S/W 1,S/W 2,	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
	biocides		IA 1,IA 2, IA3, S/W 1,S/W 2,	see list I	see list I	
Wood-based panels	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3, S/W 1,S/W 2,	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of constructions products on soil and groundwater” and Principles for the

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Wood preservatives	see List I	IA 1,IA 2, IA3, S/W 1,S/W 2,	see List I	see List I	health assessment of construction products used in interiors
	If coverings are used: plasticizer	DEHP, DBP, BBP	IA1,IA2,IA3 S/W 1/S/W 2	see List I	see List I	
	Wood fibres made of used wood	see List I for used wood	IA 1,IA 2, IA3, S/W 1,S/W 2,	see List I	see List I	
	Bituminous impregnated wood fibres	PAH Benzo(a)pyrene	IA 1,IA 2, IA3, S/W 1,S/W 2,	See list I	See list I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Binder (aminoplast - / phenoplastic – resin)	urea-formaldehyd resin: For-maldehyde	IA 1/IA 2	See List I	See List I	Austria: Formaldehyd-Verordnung, BGBl.Nr.194/1990; Denmark: Bygningsreglement 2007 Germany:: Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz Sweden: KIFS 1998:8- Kemikalieinspektionens föreskrifter om kemiska produkter och biotekniska organismer
		VVOC, VOC,SVOC	IA 1,IA2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	hydrophobic agents, with org. solvents	VVOC, VOC,SVOC	IA 1/IA 2	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
composite panels	Binder (aminoplast - / phenoplastic – resin)	Formaldehyde	IA 2 IA 1 IA3	See list I	See list I	Austria: Formaldehyd-Verordnung, BGBl.Nr.194/1990; Denmark: Bygningsreglement 2007 Germany:Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz; Sweden: KIFS 1998:8- Kemikalieinspektionens föreskrifter om kemiska produkter och biotekniska organismer
	Expanded PE coated with biadhesive	VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	
		Flame retardants	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	Germany: DIBt approval Guideline
		biocides	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	“Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
Expanded PVC coated with adhe-	VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I		

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	sive	Flame retardants	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
		biocides	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	
		Bisphenol A	All	See list I	See list I	
		DEHP	All	See list I	See list I	Notification: Norway: 2007/9016/N - C10C
		Cadmium (Stabilizer)	All	See list I	See list I	Notification: Norway: 2007/9016/N - C10C
		See "Medium chained chlorinated paraffins"	All	See list I	See list I	Notification: Norway: 2007/9016/N - C10C
	Thermo-expanding sodium silicate and	VVOC,VOC, SVOC	IA 1	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	hydrate compounds coated with PVC adhesives	Flame retardants	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
		Bisphenol A	All	See list I	See list I	Norwegian notification
		Medium chained chlorinated paraffins	All	See list I	See list I	Norwegian notification
Bricks	Clay	Secondary mineral material	S/W 1, S/W 2	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and Proposed foreseen in: Germany: "Principles for the health assessment of construction products used in interiors"
	Aggregate concrete	Secondary mineral material, heavy metals, semi-metals, organic compounds	S/W 1, S/W 2	see List I	see List I	
	Autoclaved aerated concrete	Heavy metals, semimetals	S/W 1, S/W 2	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	manufactured stone	Secondary mineral material, heavy metals, semi-metals, organic compounds	S/W 1, S/W 2	see List I	see List I	EURATOM 92, RP 112 Poland: [...] Austria: [...]
	natural stone		All		See list I	[...]
Gypsum panels	Chemical gypsum (e.g. from the production of phosphoric acid, tartaric acid, citric acid,...)	if phosphorous gypsum is used: radioactivity	IA 1,IA2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and ground-water” and “Assessment of the effects of construction products used in interiors EURATOM 92, RP 112 Poland: [...] Austria: [...]
	hydrophobic agents, with org. solvents	VVOC, VOC,SVOC	IA 1, IA2	see List I	see List I	
	biocides (for using in wet rooms)	fungicides, bactericides [Perfluorotanesulfonate (PFOS)]	IA 1,IA2	see List I	see List I	
	Man made mineral fibres/ ceramic fibres (used to improve the structure cohesion)	man made mineral fibres/ceramic fibres: Carcinogenic fibres of EU category C1 and C2	IA 1,IA2	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Stone	Natural stone	radioactivity	IA 1/IA 2	See list I	See list I	EURATOM 92, RP 112 Poland: [...] Austria: [...]
concrete	cement produced without secondary raw material/ derived fuels	Heavy metals, semimetals, organic compounds	All	See List I	See List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors EURATOM 92, RP 112 Poland: [...] Austria: [...]
	cement produced with secondary raw material	Secondary mineral material, heavy metals, semi-metals, organic compounds	All	See List I	See List I	
		radioactivity	All	See list I	See list I	
	cement or cement components produced with derived fuels	Heavy metals, semimetals, organic compounds	All	See List I	See List I	
	Aggregates aggregates > 2000 kg/m ³	natural aggregates: radioactivity	All	See list I	See list I	EURATOM 92, RP 112 Poland:

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
		artificial aggregates: Secondary mineral material, heavy metals, semi-metals,	All	See List I	See List I	[...] Austria: [...]
		reclaimed aggregates: Secondary mineral material, heavy metals, semi-metals, organic compounds	All	See List I	See List I	
	Lightweight aggregates (< 2000 kg/m ³)	natural aggregates: radio-activity	All	See list I	See list I	EURATOM 92, RP 112, Poland: [...] Austria: [...]
		artificial aggregates: Secondary mineral material, heavy metals, semi-metals,	All	See List I	See List I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
		reclaimed aggregates: Secondary mineral material, heavy metals, semi-metals, organic compounds	All	See List I	See List I	
	Admixtures	organic compounds	S/W 1,SW2	See List I	See List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and ground-water” and “Assessment of the effects of construction products used in interiors
	Anorganic pigments	organic compounds	S/W 1,S/W 2	See List I	See List I	
Fibre cement	cement produced with secondary raw material	Secondary mineral material, heavy metals, semi-metals, organic compounds	S/W 1,S/W 2	See List I	See List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and ground-water” and “Assessment of the effects of

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	cement or cement components produced with derived fuels	Secondary mineral material, heavy metals, semi-metals, or organic compounds	S/W 1,S/W 2	See List I	See List I	construction products used in interiors
	fibres	Mineral fibres	All	See List I	See List I	
Cement based	cement produced with secondary raw material	Secondary mineral material, heavy metals, semi-metals, or organic compounds	S/W 1,S/W 2	See List I	See List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and ground-water” and “Assessment of the effects of construction products used in interiors
	cement or cement components produced with derived fuels	Secondary mineral material, heavy metals, semi-metals, or organic compounds	S/W 1,S/W 2	See List I	See List I	
Metall	coated with plastic coat of varnish	VVOC, VOC, SVOC	IA 1,IA 2	see List I	see List I	
		Arsenic and arsenic compounds	All	See list I	See List I	
	coated with laquers or corrosion protection agents	Cadmium	IA 1, S/W 2	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Panels made of PVC	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2,IA3 S/W 2	see list I	see list I	Proposed prohibited in Norway (Cadmium, Arsenic) Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
		Bishenol A	All	See list I	See list I	
	Biocides	arsenic compounds	IA 1,IA 2, IA3 S/W 2	see list I	see list I	
	Metals and metallic compounds	Arsenic	IA 1,IA 2, IA3 S/W 1,S/W 2	See list I	See list I	
		Cadmium	All	See list I	See list I	
	Plastizisers	DEHP;DBP,BB P	IA 1,IA 2, S/W 2	See list I	See list I	
	Additives	cadmium	IA 1,IA 2, IA3 S/W 2	see List	see List I	
	Chlorinated paraffins	Medium chained chlorinated paraffins	IA 1,IA 2, IA3 S/W 2	See list I	See list I	
Panels/sheets made of PP+EPDM	Additives	cadmium	IA 1,IA 2, S/W2	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and ground-water" and "Assessment of the effects of
	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, S/W 2	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Additives, binder	VVOC, VOC,SVOC	IA 1,IA 2, S/W 2	see List I	see List I	construction products used in interiors
Panels, sheets made of polycarbonate plastics		Bisphenol A	All	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
Bituminous tiles	Bituminous tiles	PAH Benzo(a)pyrene	IA 1,IA 2, IA3 S/W 2,	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
Glass	metals and metallic compounds	lead	All	see list I	see list I	
Laminates	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	All	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	Wood preservatives (substrate panel)	see List I	All	see List I	see List I	Germany: "Principles for the health assessment of construction products used in interiors"
	Binder (aminoplast - / phenoplastic – resin)	Formaldehyde	IA 2 IA 1 IA3	See list I	See list I	
	Wood fibres made of used wood (wood based substrate panel)	see List I for used wood	All	see List I	see List I	
Mineral bounded Renderings	Cement /or cement lime mix	See"cement"				Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	Synthetic resin	VVOC,VOC,SVOC, heavy metals, semi-metals, organic compounds	IA 1, S/W 2	see List I	see List I	
	Epoxy resin	Bisphenol A	All	See list I	See list I	
Organic bounded rendering based on styrol dispersion	Styrol dispersion	VVOC,VOC,SVOC, organic compounds	IA 1,IA 2	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	Binder: Synthetic resin	VVOC,VOC,SVOC, organic compounds	IA 1,IA 2 S/W 2	see List I	see List I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
Organic bounded rendering based on vinylacathate dispersion	Binder and Dispersion	VVOC,VOC,SVOC, organic compounds	IA 1,IA 2 S/W 1,S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
Silicate bounded rendering (water glass based)	Binder: Synthetic resin	VVOC,VOC,SVOC, organic compounds	IA 1, S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)		
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)		
Material(s)/Families of substances	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:	
Timber or wood based prefabricated load-bearing members						
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2						
Solid wood members	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors"
	biocides	See list I	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	
Wood-based members	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors"
	Wood preservatives	See List I	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	If coverings are used: plasticizer	DEHP, DBP, BBP	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	
	Wood fibres made of used wood	See List I for used wood	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	
	Bituminous impregnated wood fibres	PAH Benzo(a)pyrene	IA 1/IA 2 S/W 1/S/W 2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors"

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
	binder (aminoplast - / phenoplastic – resin)	formaldehyde	IA 1/IA 2	See list I	See list I	Austria: Formaldehyd-Verordnung, BGBl.Nr.194/1990; Denmark: Bygningsreglement 2007 Germany:: Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz Sweden: KIFS 1998:8- Kemikalieinspektionens föreskrifter om kemiska produkter och biotekniska organismer
		VVOC, VOC,SVOC	IA 1	see List I	see List I	
	hydrophobic agents, with org. solvents	VVOC, VOC,SVOC	IA 1	see List I	see List I	

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Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
composite members	Binder (aminoplast - / phenoplastic – resin)	Formaldehyde	IA 1,IA 2,IA3	See List I	See List I	Austria: Formaldehyd-Verordnung, BGBl.Nr.194/1990; Denmark: Bygningsreglement 2007 Germany:: Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz Sweden: KIFS 1998:8- Kemikalieinspektionens föreskrifter om kemiska produkter och biotekniska organismer
	Expanded PE coated with biadhesive	VVOC,VOC, SVOC	IA 1	see List I	see List I	Germany: DIBt approval Guideline
		Flame retardants	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	"Assessment of the effects of construction products on soil and groundwater" and
		biocides	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	"Principles for the health assessment of construction products used in interiors
	Expanded PVC coated with adhesive	VVOC,VOC, SVOC	IA 1	see List I	see List I	Germany: DIBt approval Guideline
		Plastizisers: DEHP,DBP,BB P	IA 1,IA 2	see List I	see List I	"Assessment of the effects of construction products on soil and

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Material(s)/Families of substances	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for Verification	Model clauses for assessing and judging	notified regulations in, e.g.:
		Flame retardants	IA 1/IA 2 S/W 1/S/W 2	see List I	see List I	groundwater” and "Principles for the health assessment of construction products used in interiors
		biocides	IA 1/IA 2 S/W 1/S/W 2	See List I	See List I	
	Thermo-expanding sodium silicate and hydrate compounds coated with PVC adhesives	VVOC,VOC, SVOC	IA 1	See List I	See List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
		Flame retardants	IA 1/IA 2 S/W 1/S/W 2	See List I	See List I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Jointings/sealing products					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Glass clamping lug	Expanded PE coated with synthetic rubber adhesive	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline
	One-part neutral-curing silicone sealant	IA 1/IA 2	see List I	see List I	"Principles for the health assessment of construction products used in interiors"
	VVOC,VOC, SVOC				
	Flame retardants	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline
	Waterproofing agents	IA 1/IA 2	see List I	see List I	"Assessment of the effects of construction products on soil and groundwater" and
	VVOC,VOC, SVOC				
	Flame retardants	IA 1/IA 2	see List I	see List I	"Principles for the health assessment of construction products used in interiors"
	Metal and metallic compounds: lead	All	See List I	See List I	

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Silicone sealer	Man made mineral fibres/ceramic fibres	All	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	binder (synthetic resin): VVOC,VOC, SVOC Flame retardants	IA 1/IA 2	see List I	see List I	
Biadhesive tape for partition system fixing to floors Biadhesive tape for glass glueing	Man made mineral fibres/ceramic fibres: arcinogenic fibres of EU category C1 and C2	All	see List I	see List I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"
	glues VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	
Bituminous mastics	Bituminous PAH Benzo(a)pyrene	IA 1/IA 2	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors"

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Rubber mastics	VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
Prefabricated components /Pipes and related products					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Doors and windows	Metal: coated with plastic coat of varnish VVOC, VOC, SVOC	Cadmium	IA 1	see List I	see List I
	Metal: coated with PVC laquers or corrosion protection agents	Arsenic	IA 1,IA 2, IA3 S/W 2	see List I	Norwegian notification
		Cadmium	IA 1,IA 2, IA3 S/W 2	See list I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
		Medium chained chlorinated paraffins	IA 1,IA 2, IA3 S/W 2	See List I	See List I	
	Solid wood	Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2 S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
		biocides	IA 1/IA 2 S/W 2	see List I	see List I	
	Wood based products	Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2 S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
		Wood preservatives	IA 1/IA 2 S/W 2	see List I	see List I	
		If coverings are used: plasticizer: DEHP, DBP, BBP	IA 1/IA 2 S/W 2	see List I	see List I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
		Wood fibres made of used wood	IA 1/IA 2 S/W 2	see List I	see List I	
		Bituminous impregnated wood fibres: PAH Benzo(a)pyrene	IA 1/IA 2 S/W 2	See list I	See list I	
		binder (aminoplast - / phenoplastic – resin): formaldehyde	IA 1/IA 2 S/W 2	See List I	See List I	Austria: Formaldehyd-Verordnung, BGBl.Nr.194/1990; Denmark: Bygningsreglement 2007 Germany:: Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz Sweden:KIFS 1998:8- Kemikalieinspektionens föreskrifter om kemiska produkter och biotekniska organismer
		Organic compounds : VVOC, VOC,SVOC	IA 1	see List I	see List I	
		hydrophobic agents, with org. solvents VVOC, VOC,SVOC	IA 1	see List I	see List I	
	PVC	Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3 S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and”Principles for the

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LIST II

Product characterization			Product characteristic	Method of verification and as- sessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, col- umn 2 of ETAG/CUAP/ ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release sce- nario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
		Biocides: arsenic compounds	IA 1,IA 2, IA3 S/W 2	see List I	see List I	health assessment of construction products used in interiors
		Additives: cadmium	IA 1,IA 2, IA3 S/W 2	see List I	see List I	
		Plasitiziser : DEHP, DBP,BBP		see List I	see List I	
	PP	Additives: cadmium	IA 1,IA 2, IA3 S/W 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
		Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3 S/W 2	see List I	see List I	
		Additives, binder: VVOC, VOC,SVOC	IA 1,IA 2,	see List I	see List I	
	PE	Flame retardants: halogenated aromatic or halogenated organophosphorous compounds	IA 1,IA 2, IA3 S/W 2	see list I	see list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors
		Biozides:arsenic compounds	IA 1,IA 2, IA3 S/W 2	see list I	see list I	
		Additives: cadmium	IA 1,IA 2, IA3 S/W 2	see List	see List I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Framings (for internal use e.g. for internal partition kits)						
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: for scenario IA1,IA2, IA3: Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2						
Framing made of solid wood	Wood preservatives	fungicides, biocides or pyrethroides [Perfluorooctanesulfonate (PFOS)]	IA 2	see List I	see List I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors"
	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 2	see List I	see List I	
Framing made of glued laminated timber	Wood preservatives	fungicides, biocides or pyrethroides [Perfluorooctanesulfonate (PFOS)]	IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors"
	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 2	see List I	see List I	

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Product characterization		Product characteristic	Method of verification and assessment		Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)		(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	binder (aminoplast - / phenoplastic – resin)	formaldehyde	IA 1/IA 2	See List I	See List I	Austria: Formalde-hyd-Verordnung, BGBl.Nr.194/1990; Denmark:Bygningsreglement 2007 Germany: Verord-nung über Verbote und Beschränkungen des Inverkehrbrin-gens gefährlicher Stoffe, Zuberei--tungen und Erzeug-nisse nach dem Chemikaliengesetz Sweden: KIFS 1998:8-Kemikalieinspektio-nens föreskrifter om kemiska produkter och biotekniska organismer
-Framing made of metal	Anodised/coated adjustable corner junction, 3 and 4 Way junctions	VVOC, VOC,SVOC	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Lacqers, varnishes, zinc or zic coatings	Cadmium	IA 1/IA 2	see list I	see list I	
Framing/Profiles made of PVC	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2	See list I	See list I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Biocides	arsenic compounds	IA 1/IA 2	see list I	see list I	

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	Stabilizers (metalls and metal compounds)	cadmium	IA 1/IA 2	see List	see List I	
	Plastizisers	DEHP	IA 1/IA 2	See List I	See List I	
Framing/Profiles made of PP+EPDM	Additives	cadmium	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors
	Flame retardants	halogenated aromatic or halogenated organophosphorous compounds	IA 1/IA 2	see List I	see List I	
	Additives, binder	VVOC, VOC,SVOC	IA 1/IA 2	see List I	see List I	
Starting/Ending profiles, Junction profiles Shim for partition ending profile	Resin-bonded particleboard panels	VVOC, VOC,SVOC	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors

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LIST II

Product characterization			Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)			(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	Epoxy-polyester varnish	VVOC, VOC,SVOC	IA 1/IA 2	see List I	see List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors"
		Bisphenol A	IA 1/IA 2	See list I	See List I	
Sealings/Mastics (except for fire related issues)						
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2						
Glass clamping lug	Waterproofing agents	flame retardants	all	See List I	See List I	Germany: DIBt approval Guideline "Principles for the health assessment of construction products used in interiors"
		VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	
	Man made mineral fibres/ceramic fibres; binder (synthetic resin)	Flame retardants	IA 1/IA 2	see List I	see List I	
		VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	

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Product characterization		Product characteristic	Method of verification and assessment		Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)		(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered		Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Silicone sealer with acetic reticulation for glass		Flame retardants	IA 1/IA 2	see List I	see List I I	
		man made mineral fibres/ceramic fibres: Carcinogenic fibres	IA 1/IA 2	see List I	see List I	
Biadhesive tape for partition system fixing to floors and glass glueing		VVOC,VOC, SVOC	IA 1/IA 2	see List I	see List I	
Resilient floor coverings						
<p>General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account:</p> <p><u>for scenario IA1,IA2, IA3:</u></p> <p>Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2</p> <p><u>for scenario S/W1, S/W2, S/W3:</u></p> <p>Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2</p>						
Linoleum	VVOC, VOC, SVOC		IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors 2002-271-FIN (VOC, formaldehyde, PCP)
	Formaldehyde		IA1	See List I	See List I	

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	Flame retardants	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors"
PVC with or without foam layer and/or cork based backing	VVOC, VOC, SVOC	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors 2002-271-FIN (VOC, formaldehyde, PCP)
	Formaldehyde	IA 2 IA 1 IA3	See list I	See list I	
	Tributyltin compounds (TBT) ; Triphenyltin butylin compounds (TPT)	IA1	See list I	See list I	proposed prohibited Notification: Norway: 2007/9016/N - C10C
	(Plasticizers): DEHP, DBP, BBP, medium chained chlorinated paraffins (MCCP)	IA 1	See list I	See list I	2007-9016-N (DEHP) 2007-9016-N (MCCP)
	Flame retardants	IA1	See list I	See list I .	Germany: "Principles for the health assessment of construction products used in interiors"

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Expanded (cushioned) PVC	VVOC, VOC, SVOC	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors"
	Tributyltin compounds (TBT) ; Triphenyltin butylin compounds (TPT)	IA1	Se list I	See list I	proposed prohibited Notification: Norway: 2007/9016/N - C10C
	Flame retardants	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors"
	(Plasticizers): DEHP, DBP, BBP, medium chained chlorinated paraffins (MCCP)	IA 1	See list I	See list I	2007-9016-N (DEHP) 2007-9016-N (MCCP)
Rubber with or without foam backing	VVOC, VOC, SVOC	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors"
	Flame retardants	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors"

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Building hardware (hinges, locks,...)					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario IA1,IA2, IA3:</u> Toxic (T), very Toxic (T+), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2 <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+),environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Coated metals	VVOC, VOC, SVOC	IA1	See list I	See list I	Germany: "Principles for the health assessment of construction products used in interiors
	Metal and metallic compounds: lead	IA1, IA2, IA3	See list I	See list I	proposed prohibited. Notification: Norway: 2007/9016/N - C10C

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LIST II

Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Roof coverings					
General note: additional to the mentioned dangerous substances the presence of the following dangerous substances have to be checked and –if relevant- the respective clauses of list I shall be considered and have to be taken into account: <u>for scenario S/W1, S/W2, S/W3:</u> Toxic (T), very Toxic (T+), environmental hazardous substances (N), Teratogenic (T, R 60; T, R 61) substances of categories 1 and 2, Persistent organic pollutants (PBT, vPvB), Carcinogenic (T, R 45; T, R 49) and mutagenic (T, R 46) substances of categories 1 and 2					
Concrete tiles	Heavy metals, semimetals	SW2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater”
	Organic compounds	SW2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater”
	Secondary mineral material	SW2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater” and "Principles for the health assessment of construction products used in interiors"

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	radioactivity	SW2	See list I	See list I	Radioactivity- proposed to be part of DIBt approval Guideline for products used in interiors Poland: [...] Austria: [...]
Ceramic tiles	Secondary mineral material	SW2	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors
Fibre-cement slates and sheets	Secondary mineral material	SW2	See list I	See list I	Germany: DIBt approval Guideline "Assessment of the effects of construction products on soil and groundwater" and "Principles for the health assessment of construction products used in interiors

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Product characterization		Product characteristic	Method of verification and assessment	Expression of product performance (value,class,NPD,criterion,etc)	
(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
	Heavy metals, semimetals	SW2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater”
	Organic compounds	SW2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater”
	Mineral fibres	SW2	See list I	See list I	Directive 97/69/EC, 1998-156-D (fibre composition);
Bituminous shingles	PAH Benzo(a)pyrene	S/W2	See list I	See list I	Germany: DIBt approval Guideline “Assessment of the effects of construction products on soil and groundwater”
Natural stone	Radioactivity	S/W 2	See list I.	See list I	Poland: [...] Austria: [...]

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LIST II

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(according chapter 1.1 in ETAG/CUAP/ETA)		(table 1, column 2 of ETAG/CUAP/ETA)	(table 1, column 4 of ETAG/CUAP/ETA)	(table 1, column 5 of ETAG/CUAP/ETA)	
Components	dangerous substance(s) have to be considered	Release scenario(s)	Model clauses for verification	Model clauses for assessing and judging	regulations are notified in:
Metal sheet	Cadmium	SW2	See list I	See list I	Belgium: Royal Decree of 25/02/1996 [Cadmium) Proposed prohibited: Notification: Norway: 2007/9016/N Austria: "....."
	Lead and lead compounds	SW1	See list I	See list I	proposed prohibited. Notification: Norway: 2007/9016/N - C10C