

FIRE Classification report Nr 14665E

Test Method	Parameter	Number of Tests	Results		Criteria for Class B-s1, d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
			EN ISO 11925-2 (*) (1) 30s flame application			
<u>Surface exposure</u> -front side	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-)	Yes	(-)	Yes
<u>Edge exposure</u> -front side	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-)	No	(-)	No
			(-)	Yes	(-)	Yes
			(-)	No	(-)	No
EN 13823 (2)	FIGRA 0,2 MJ (W/s)		36	(-)	≤ 120	(-)
	FIGRA 0,4 MJ (W/s)		23	(-)	≤ 120	(-)
	LFS <edge		(-)	Yes	(-)	Yes
	THR 600s (MJ)		1,6	(-)	$\leq 7,5$	(-)
	SMOGRA (m ² /s ²)	3	3	(-)	≤ 30	(-)
	TSP 600s (m ²)		46	(-)	≤ 50	(-)
	Flaming droplets/particles					
	f < 10s		(-)	No	(-)	No
	f > s		(-)	No	(-)	No

(-) Not applicable

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	Edge Exposure	
	$F_s \leq 150\text{mm}$	Ignition filter paper
Sample 1: BuzziFelt OffWhite	Yes	No
Sample 2: BuzziFelt Anthracite	Yes	No

	Figra (W/s)	THR 600s (MJ)	SMOGRA (m ² /s ²)	TSP 600s (m ²)
Sample 1: BuzziFelt OffWhite	38	1,5	6	49
Sample 2: BuzziFelt Anthracite	37	0,7	2	44

Reference and direct field of application:

This classification has been carried out in accordance with EN 13501-1 + A1:2009

Classification:

The product BuzziFelt in relation to its reaction to fire behavior is classified as:

Fire Behavior	Smoke Production	Flaming Droplets
B	s1	d0

Field of application:

This classification for the product as described in §1b, is valid for the following end use conditions:

Substrate: Euroclass A2-s1, d0 or better with a nominal thickness of at least 12mm
and a nominal density of at least 525 kg/m³

Without a void

Fixing: Stapled

No joints

This classification is valid for the following product parameters:

Nominal thickness 6mm

Nominal surface mass 1100 g/m²

all colours

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National Translations of Euroclasses for Reaction to Fire (EC decision 2000/147/EC)

This table has been re-written 2003-12-06, revision No. 6, 10th May 2004

Part 1: EU Member States
Part 2: EFTA Member States

Please send corrections and additions by e-mail to
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Part 1: EU Member State	Existing National Classification	EU-Classification	Progress in the Implementation	Notes See also #) footnotes
Austria	Class A Class B1 Class B2 Class B3	A1-A2-part of B B-C-D-part of E Part of C-D-E F	Önorm 3806 issued 2001-04-23, see #01)	#01)
Belgium	A0 A1 A2 A3 A4	A2-s1 B-s3 or C-s2 C-s3 D-s3 F	No decision is taken by the Belgian ministry see #02)	#02)
Czech Republic	A B C1 C2 C3	A1 A2 B C or D E or F	EC decision adopted July 2002	
Denmark	Non-combustible Class A Class B 'Combustible', see #03)	A2-s1,d0 B-s1,d0 D-s2,d2 All other products	EC decision adopted 1st March 2002	#03)
Finland	Non Combustible Limited Combustible Lining class I/I Lining class I/II and I- Lining class 2 Lining class -/-	A2-s1,d0 or A1 A2-s1,d0 see #04) B-s1,d0 C-s2,D1 d-s2,d2 F	New regulations in force 1st July 2002	#04)
France	Non-Combustible M0 M1 M2 M3 M4 (non gouttant) M4 Not classified	A1 A1 or A2-s1,d0 A2-s1/2/3, d0/1 or B-s1/2/3, d0/1 C-s1/2/3,d0/1 D-s1/2/3,d0/1 D-s1/2/3,d0 All classes other than E-d2 & F E-d2 & F	Effective March 2003, Annes 4 to decision 31 December 2002	
Germany	Nichtbrennbar Schwerentflammbar/ No smoke, no droplets Schwerentflammbar/ Smoke, no droplets Schwerentflammbar/ Droplets, no smoke Schwerentflammbar/ Smoke & droplets Normalentflammbar/ Smoke, no sprolets Normalentflammbar/ Smoke & droplets Leichtentflammbar	A1 & A2-s1,d0 B-s1,d0 & C-s1,d0 A2-s2/3,d0 & B+C-s2/3,d0 A2-s1,d1/2 & B+C-s1,d1/2 A2-s3,d2 & B+C-s3,d2 D-s1/2/3,d0 and E D-s1/2/3,d2 and E-d2 F	Implemented. Official DIBt announcement in January 2002	

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Part 1: EU Member State	Existing National Classification	EU-Classification	Progress in the Implementation	Notes See also #) footnotes
Hungary	A1 (non combustible) A2 (quasi non combustible) B1 (hard combustible) B2 (easy combustible) B3 (easy combustible) C0 (no melting) C1 (melting, no droplets) C2 (burning droplets/ignition) F0 (no smoke) F1 (moderate smoke) F2 (strongly smoke products)	#07)	At this time new regulations are under elaboration. Deadline May 2004. The classes are not expected to change before the end of 2004. See also #07)	#07)
Netherlands	Non Combustible Class 1 Class 2 Class 3 Class 4	A1 A2-s2 B-s2 C-s2 D-s2	Publication on the Dutch official journal June 2003 NEN-EN 13501-1	
Poland	Nom combustible, and no droplets Non combustible Non ignitable, and no droplets Non ignitable Hard ignitable Easy ignitable Self extinguishing	A1 & A2s1/2/3,d0 A1 & A2 B-s1/2/3,d0 C and D-s1,d1/2/3 D-s2 and E and F E	Implementation late 2003 as annex to PN EN 13501-1 See #08)	#08)
Slovenia see #05)	Non-Combustible Class 1 Class 2 Class 3 Class 4	A1 & A2 B C D E	No info concerning implementation	#05)
Spain	M0 M1 M2 M3 M4	To be used all classes according EC 2000/147. No general equivalence for all requirements established between old and new classes	Implementation late 2003.	No info
Sweden	Non-combustible Class I Class II Class III	A2-s1,d0 B-s1,d0 C-s2,d0 D-s2,d0	Implementation October 2002	
United Kingdom (England and Wales)	Non-Combustible Limited Combustible Class 0 Class 1 Class 2	A1 or considered as A1 without further testing A2-s3,d2 or better B-s3,d2 or better C-s3,d2 or better D-s3,d0 or better	Implementation with the amendment 2002 to the Building regulations	
Unites Kingdom (Scotland)	Non Combustible Class 0 Class 1 Class 3	A1 or A2 and A1 without further testing B C D	Implemented 2001	

Part 2: EFTA Member State	Existing National Classification	EU-Classification	Progress in the Implementation	Notes See also #) footnotes
Norway	Non Combustible Limited combustible Combustible	A2-s1,d0 A2-s1,d0 All other	Publication 14th May 2003, see www.be.no/beweb	
Switzerland			see #06)	#06)

Notes:

- #01: Smoke and droplets classification according ÖN 3806 Anhang B (Informative)
- #02: It seems as Belgium will follow the 'German approach' and not make a translation.
- #03: The class 'Combustible' (or class C) does not exist in official documents.
It is added to this table to bring the survey for Denmark in line with e.g. Norway and Germany where this 'non applicable' class is mentioned in the building regulation.
- #04: For escape routes only (To be confirmed)
- #05: The Slovenian standard for non-combustibility JUS UJI 040 is identical to ISO 1183 and the Slovenian standard for flame spread JUS UJI 040 is identical to BS 482, part 7.
- #06: Input from Swiss officials has to be studied. No final solution available.
- #07: The Hungarian Standard series MSZ 595 dealing with fire issues has been implemented into the national legislation
No work is going on at this time concerning translation of the national classes.
- #08: Details concerning smoke and droplets have not found the final form.

File: CEPMC / FWG document 03078 now 04xxx 10 May 2004 / BC