

IV. Classification and direct field of application

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

a) Classification

The product, PE FIRE-PROOF FOAM PIPE, classification is as following,

Fire behaviour	Smoke production		Flaming droplets		
B _L	—	s	1	d	0

Reaction to fire classification: B_L—s1 , d0

Remark: The classes with their corresponding fire performance are given in annex A.

b) Field of application

This classification for the submitted sample, is valid for the following end use condition:

--- With the backing board classified A1 and A2

Statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

To be continued...



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Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	Test method(s)	Classification criteria	Additional classification
A1 _L	EN ISO 1182 ^a and	$\Delta T \leq 30$ °C, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2.0$ MJ/kg ^a and $PCS \leq 2.0$ MJ/kg ^b and $PCS \leq 1.4$ MJ/m ^{2c} and $PCS \leq 2.0$ MJ/kg ^d	-
A2 _L	EN ISO 1182 ^a or	$\Delta T \leq 50$ °C, and $\Delta m \leq 50\%$, and $t_f \leq 20$ s	-
	EN ISO 1716	and $PCS \leq 3.0$ MJ/kg ^a and $PCS \leq 4.0$ MJ/m ^{2b} and $PCS \leq 4.0$ MJ/m ^{2c} and $PCS \leq 3.0$ MJ/kg ^d	-
B _L	EN 13823	$FIGRAS \leq 270W/s$ and $LFS < \text{edge of specimen and}$ $THR_{600s} \leq 7.5MJ$	Smoke production ^e and Flaming droplets/particles ^f
	EN ISO 11925-2 ^h Exposure =30s	$FIGRAS \leq 270W/s$ and $LFS < \text{edge of specimen and}$ $THR_{600s} \leq 7.5MJ$ $F_{ss} \leq 150mm$ within 60 s	Smoke production ^e and Flaming droplets/particles ^f
C _L	EN 13823	$FIGRAS \leq 460W/s$ and $LFS < \text{edge of specimen and}$ $THR_{600s} \leq 15MJ$	Smoke production ^e and Flaming droplets/particles ^f
	EN ISO 11925-2 ^h Exposure=30s	$F_{ss} \leq 150mm$ within 60 s	Smoke production ^e and Flaming droplets/particles ^f
D _L	EN 13823	$FIGRAS \leq 2100W/s$ $THR_{600s} \leq 100MJ$	Smoke production ^f and Flaming droplets/particles ^g
	EN ISO 11925-2 ^h Exposure=30s	$F_{ss} \leq 150mm$ within 60 s	Smoke production ^f and Flaming droplets/particles ^g
E _L	EN ISO 11925-2 ^h Exposure =15s	$F_{ss} \leq 150mm$ within 20 s	flaming droplets/particles ^g
F _L	No performance determined		

To be continued...

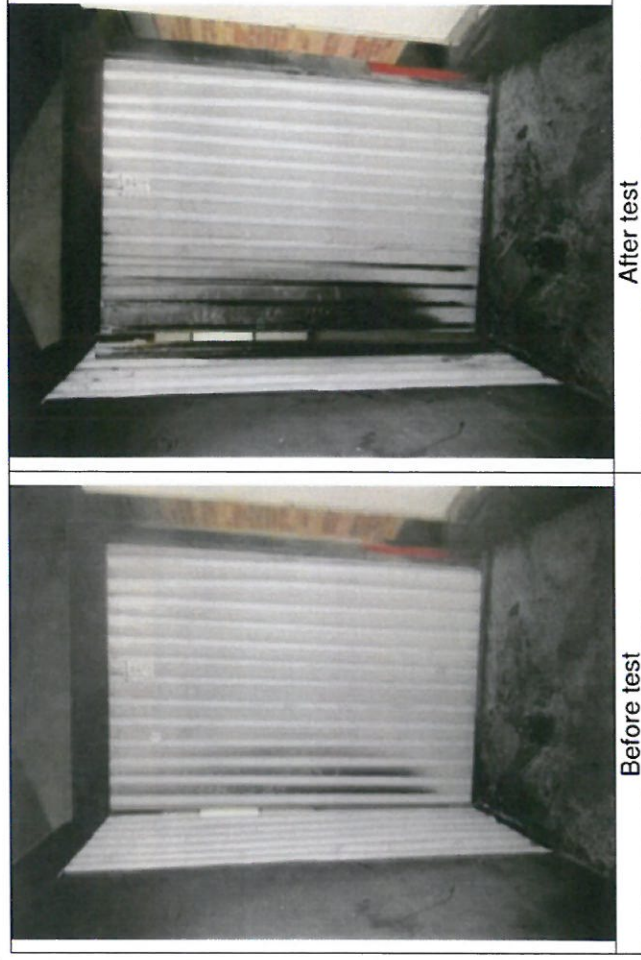


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<p>^a For homogeneous products and substantial components of non-homogeneous products.</p> <p>^b For any external non-substantial component of non-homogeneous products.</p> <p>^c For any internal non-substantial component of non-homogeneous products.</p> <p>^d For the product as a whole.</p> <p>^e s1 = SMOGRA $\leq 105\text{m}^2/\text{s}^2$ and TSP_{600s} $\leq 250\text{m}^2$; s2 = SMOGRA $\leq 580\text{m}^2/\text{s}^2$ and TSP_{600s} $\leq 1600\text{m}^2$; s3 = not s1 or s2</p> <p>^f d0 = No flaming droplets/ particles in EN 13823 within 600 s;</p> <p>d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;</p> <p>d2 = not d0 or d1.</p> <p>Ignition of the paper in EN ISO 11925-2 results in a d2 classification.</p> <p>^g Pass = no ignition of the paper (no classification);</p> <p>Fail = ignition of the paper (d2 classification).</p> <p>^h Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.</p>
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Photo Appendix:



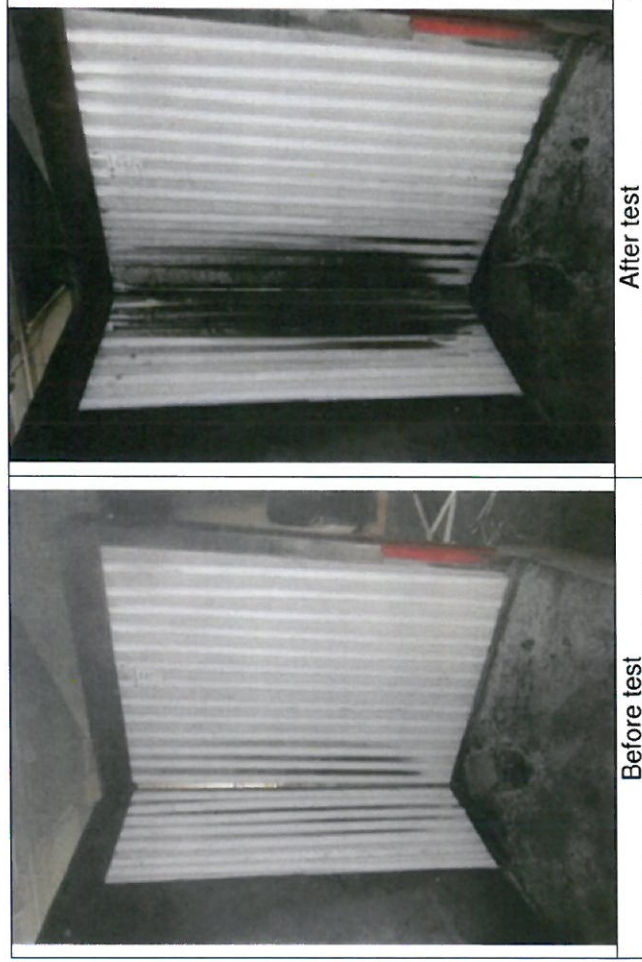
To be continued...



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End of Report



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