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### **Evaluation of Reaction to Fire Properties**

Akzo Nobel Powder Coatings Ltd and Cromadex  
 Unit 5 Redwood Business Park, Oldbury Road  
 Smethwick, West Midlands . B66 1NJ

**Product Reference:** 2.2 mm thick Aluminum sheet coated on both faces with a light grey coloured coating referenced “**Interpon D1000 (Light Grey Matt)**”

<b>BS 6853:1999 Table 2 for Category Ia.</b>			
<b>Test Type</b>	<b>ICL Job No</b>	<b>Test results</b>	<b>BS 6853:1999 Category Ia Requirements</b>
BS 476 Part 6	ICL/H13/2576	$i_1 = 0.1$ $I = 1.0$	$i_1$ (max) 6 $I$ (max) 12
BS 476 Part 7	ICL/H13/2580	Class 1	Class 1 1
BS 6853:1999 Annex B.2	ICL/H13/2584	R Value: 0.103	R (max) 1
BS 6853:1999 Annex D.8.4	ICL/H13/2588	Ao(on) 1.22 Ao(off) 1.37	Ao(on) 2.6 Ao(off) 3.9

**Note :** The product satisfies the requirements given for category Ia in BS 6853:1999 Table 2 for vertical surfaces . Category Ia has the highest requirements.

<b>EN 45545-2 Table 5 for HL 3 for vertical surfaces R 1</b>			
<b>Test Type</b>	<b>ICL Job No</b>	<b>Test results</b>	<b>EN 45545-2 Requirements R1 (HL3)</b>
ISO 5658-2	ICL/H13/2592	CFE ( kW/m <sup>2</sup> ) 39.13	CFE (minimum) 20
ISO 5660-1	ICL/H13/2596	MARHE(kW/m <sup>2</sup> ) 19.4	MARHE (max) 60
ISO 5659-2 (EN 45545-2)	ICL/H13/2602	$D_s(4)$ 89.52 VOF4 100.14	$D_s(4)$ (max) 150 VOF 4 (max) 300
EN 45545-2 Annex C	ICL/H13/2603	CITg (4mins) 0.003 CITg(8mins) 0.007	CIT <sub>G</sub> (max) 0.75

**Note :** The product satisfies the requirements given in EN 45545-2 Table 5 for HL 3.  
 In EN 45545-2 HL3 has the highest requirements.