

CLASSES OF REACTION TO FIRE PERFORMANCE FOR CONSTRUCTION PRODUCTS EXCLUDING FLOORINGS.

Class	Test Method (s)	Classification Criteria	Additional Classification
A1	EN ISO 1182 a and	$\Delta T \leq 30^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2.0\text{MJ/kg}$ a and $PCS \leq 2.0\text{MJ/kg}$ b c and $PCS \leq 1.4\text{MJ/m}^2$ d and $PCS \leq 2.0\text{MJ/kg}$ e	-
A2	EN ISO 1182 a or	$\Delta T \leq 50^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20$ s	-
	EN ISO 1716 and	$PCS \leq 3.0\text{MJ/kg}$ a and $PCS \leq 4.0\text{MJ/m}^2$ b and $PCS \leq 4.0\text{MJ/m}^2$ d and $PCS \leq 3.0\text{MJ/kg}$ e	-
	EN 13823	$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and LFS-edge of specimen and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production f and Flaming droplets/particles g
B	EN 13823 and	$FIGRA_{0.2\text{MJ}} \leq 120\text{W/s}$ and LFS-edge of specimen and $THR_{600\text{s}} \leq 7.5\text{MJ}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60s	
C	EN 13823 and	$FIGRA_{0.4\text{MJ}} \leq 250\text{W/s}$ and LFS-edge of specimen and $THR_{600\text{s}} \leq 15\text{MJ}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
D	EN 13823 and	$FIGRA_{0.4\text{MJ}} \leq 750\text{W/s}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
E	EN ISO 11925-2 i Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	Flaming droplets/particles h
F	EN ISO 11925-2i Exposure = 15 s	$F_s > 150\text{mm}$ within 20 s	-



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