

Fire reaction is C-s1,d0 independently tested by APPLUS laboratories



The HONEXT board FR-C has a fire reaction certification of Euroclass C-s1,d0. Toxic additives are not added to improve the fire reaction of the material. The fire reaction performance tests are certified independently by APPLUS laboratories, according to standard Euroclass EN 13501-1:2018 and the classification criteria mention on the following table.

Table 1 - HONEXT board FR-B is classified in reaction to the fire behavior as C,s1-d0.

Reaction to fire	Smoke production	Drops in flame
C	s1	d0

Identification of the test item

The board is mechanically fixed to omega aluminum profiles using screws, with a spacing of 400mm between each profile. There is a 15mm air gap between the board and the backing substrate, which is made of 12mm fibrosilicate calcium board with a density of (870±50) Kg/m³ and an A1 reaction to fire classification (according to EN 13501-1).

Table 2 - Classes of behavior in fire reaction for construction products, excluding floor coverings and thermal insulating products for linear pipes, according to the standard UNE EN 13501-1:2019.

Class	Test methods	Classification criteria	Additional declaration required
C	UNE-EN 13823	FIGRA 0,4 MJ ≤ 250 W/s and LFS < sample edge; and THR600s ≤ 15 MJ	Smoke production ^f and flaming drops/particles ^g
	UNE-EN-ISO 11925-2 Exposure = 30s	F _s ≤ 150mm in 60s	

^f s1= SMOGRA ≤ 30m²/s² and TSP600s ≤ 50m²; s2 = SMOGRA ≤ 180m²/s² and TSP600s ≤ 200m²;s3 = neither s1 nor s2

^g d0 = No flaming droplets and particles in EN 13823 (SBI) in 600s

ⁱ Under conditions of surface flame attack and, if suitable for end conditions of product use, of edge flame attack

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