



Firestop coating for use on polyurethane foam, OSB wood and other substrates.

DESCRIPTION

- » FLAME-EX is a water-based, solvent-free fire-retardant coating. Once fully dried, it helps prevent or significantly delay the spread of fire through the substrate to which it has been applied. FLAME-EX also helps reduce the formation and release of toxic fumes generated during the combustion of insulation materials, plastics and similar substrates.
- » FLAME-EX is certified for application on closed-cell foam and wood. It may also be applied to steel and mineral substrates, subject to verification of substrate compatibility and the applicable fire-performance requirements.
- » FLAME-EX is applied by airless spray, roller or brush.
- » FLAME-EX is intended for interior applications. For exterior applications, it must be protected with a suitable flexible, fire-retardant topcoat, such as ISOPROOF FR.

All applicable local building regulations, fire-safety requirements and application guidelines must be observed. Compliance with such requirements remains the responsibility of the specifier, contractor and building owner and is not the responsibility of the manufacturer.

APPLICATION

Surface Preparation

- » Remove all dust, loose or friable material, grease, dirt and other surface contaminants.
- » Apply FLAME-EX only to a sound, closed and continuous surface. Fill holes, gaps and joints with a suitable product depending substrate. Dry mineral substrates must be slightly dampened before application. Avoid standing water.
- » Apply PRIMER 52FR to polyurethane foam, porous substrates and old or weathered surfaces.
- » Concrete, most common brick types, steel and most common wood substrates generally do not require a primer. Substrate compatibility should always be verified before application.

Application

- » Stir FLAME-EX thoroughly before use with a drill-mounted paddle mixer until a homogeneous consistency is obtained. Do not add water, solvents or other additives.
- » The substrate and ambient temperature during application and drying must be between 5°C and 30°C.
- » Apply FLAME-EX by airless spray, roller or brush in one or two coats, at a total consumption of 1–2 kg/m², depending substrate. Verify complete coverage.
- » Under normal conditions, the drying time ranges from approximately 4 to 24 hours. Drying may take longer at low temperatures, high relative humidity or when applied at a high thickness.
- » Clean tools and equipment with water immediately after use.

Finish and Protection

- » FLAME-EX is UV-resistant but is not intended for unprotected exterior exposure.
- » For exterior applications, FLAME-EX must be protected with a suitable flexible, fire-retardant topcoat, such as ISOPROOF FR.
- » On wooden substrates, an additional finishing coat may be required to prevent staining or discolouration from migrating through the coating.
- » Please contact us before applying any other type of finish or topcoat over FLAME-EX.

CHARACTERISTICS

Subject	Standard	
Colour		White/orange; other colours on request
Consumption		1 – 2kg/m ²
Density	EN ISO 2811-1	1,35 kg/litre (+/- 0,1)

Vapour transmission	EN ISO 7783	Sd < 0,1
PH		9
Solids	EN ISO 3251	70% (+/- 2%)
Adhesion		>0,5 MPa
VOC	EC1Plus	Pass
Fireclass on class A substrate	EN13501-1	A, S1, D0
Fireclass on closed cell foam	EN13501	B, S2, D0
Fireresistance, load bearing walls, OSB wood substrate	EN 1365-1	25 min
Fireresistance, non load bearing walls, PU closed cell foam substrate	EN 13501-2	E20, EI20, EW20

PACKAGING

10 Kg pails. Other packaging on demand.

STORAGE

5 – 20 °C; stored dry, out of direct sunlight; conservation: 6 months from date of production, original unopened packaging.

SAFETY

Consult the SDS safety data sheet prior to applying FLAME-EX.

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