



flame-ex

Waterbased Non Combustible intumescent coating for use on steel, wood, insulation and mineral substrates.

Certified Class A, s1, D0 (EN13501).

DESCRIPTION

FLAME-EX is a water borne intumescent coating which, once dried, will stop or strongly retard the passage of fire through the substrate it is applied on. FLAME-EX inhibits the formation of toxic fumes generated by fires of insulation, plastics etc.

Applied on concrete substrates, it reduces spalling and loss of structural integrity.

FLAME-EX is certified class A, s1, d0.

FLAME-EX intumescent coating can be used on steel, wooden, mineral and insulation substrates and is applied by airless spray, roller or paintbrush. FLAME-EX is used inside. In case of external application, it should be coated with a fire retarding flexible coating such as ISOPROOF FR or AMISEAL FIRECOAT.

Local building regulations need be followed which is not the responsibility of the manufacturer of this product, namely HEVADEX.

ADVANTAGES

- Low to zero ignitability
- Low heat release
- High fire barrier capacities due to formation of raised charring and hence volume increase by 1000% when exposed to fire.
- Dries quickly
- Can be used on most common construction materials such as concrete, steel and polyurethane foam.
- No primer needed on most surfaces
- VOC/solvent free

APPLICATION

Preparation:

- Remove dust, loose parts and surface pollutants.
- Apply on a closed surface; fill holes and joints with a fast setting cement based product.
- Dry substrates shall be moistened prior to application.
- Porous or old substrates: apply PRIMER 46FR. Concrete, most common types of bricks, spray foam insulation, steel, most common types of wood, do not need a primer.

Application method:

- Mix FLAME-EX product well before use with a drill mounted paddle mixer; do not add water or solvents.
- Surface and environment temperature during application and drying: 5 – 30°C.
- Apply FLAME-EX with an airless paint spray device, paint roller or paintbrush, in one or two layers at a consumption of 0,6 to 2 kg/m² depending requested fire resistance. Advised spray tips: 531 / 421.
- The drying time of FLAME-EX varies between 4 to 24h in normal conditions.

- Clean tools with water.

Finish

- FLAME-EX is UV RESISTANT, but is not intended for outside use without protection.
- Proposed finishes on FLAME-EX : ISOPROOF FR.
- Wooden substrates may require a finish on FLAME-EX to block staining.
- For other types of finishes: kindly consult us.

CHARACTERISTICS

- » Form: white liquid
- » Consumption: 0,6 kg/m²
- » Density: 1,35 kg/litre (+/- 0,1)
- » pH: 9,0
- » Solids (%): 70% (+/- 2)
- » Adhesion: > 0,5 N/mm²
- » Fire Class (EN13501): A, s1, d0

PACKAGING

13 Kg pails. (Pallet: 44 x 13 Kg)

STORAGE

5 – 20 °C; stored dry, out of direct sunlight; conservation: 12 months from date of production, original unopened packaging.

SAFETY

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

DATE OF THIS EDITION: 12/10/2021 - Our general conditions of sale apply. This document does not have a contractual value. This technical data sheet replaces and annuls the previous edition. The information given in this sheet has the purpose to inform and advice you. At every moment, this sheet can be adapted because of technical evolution. All information is given in good faith and without any warranty. The application, use and processing of these products are beyond our control and therefore the entire responsibility of the user/client/applicator. The user of the product must test the product's suitability and apply for the intended purpose. Established liability if any for any reason is always limited to the value of the goods supplied by HEVADEX bvba. The products and systems are manufactured under total quality management. HEVADEX bvba reserves the right to change the properties of its products. Users must always refer to the most recent issue of the local Product Data Sheet, copies of which will be supplied on request.