



## Vapour breathable and weather resistant coating for facades.

CERTIFIED FIRE CLASS B, S1, D0 (EN13501)



### PRODUCT DESCRIPTION

ISOPROOF FR is a ready-to-use coating based on specific pure acrylate polymer dispersions, which is applied with an airless spray device, paint roller or paintbrush and dries to a durable, flexible, watertight, rainproof, weatherproof, UV resistant, airtight and vapour breathable membrane with fireclass B properties as per (EN 13501).

ISOPROOF FR is used as:

- Weatherproof protective membrane on exposed facades and rainscreens
- Rainproof membrane before façade finish is installed, such as façade panels
- To increase airtightness from the outside of a building.

Suitable substrates:

- Concrete blocks, clay bricks, calcium silicate stone
- Fibre cement boards
- Insulation panels
- OSB panels
- Most building substrates

### APPLICATION METHOD

#### Preparation of the surface

- » Remove dust, loose parts and surface pollutions.
- » Apply on a closed surface; fill holes and joints with a fast setting cement based product or polyurethane foam;
- » PRIMER 46 FR at a min. consumption of 100 gram/m<sup>2</sup> (indicative) is needed for the following types of substrates and conditions:
  - Porous substrates
  - To improve adhesion on dusty substrates
  - Low strength substrates such as calcium silicate stone
  - (Water sensitive) plasters
  - And when applying ISOPROOF FR in hot conditions.
 Consult the productsheet of PRIMER 46 FR prior to use.
- » when applying ISOPROOF FR on insulation boards or over joints: use HEVATEX T10 textile over the joints, in between 2 layers of ISOPROOF FR.

#### Application method:

- » Mix ISOPROOF FR; do not add water or solvents.
- » Minimum requirements during application and at least 24 hours after application:
  - T: > 5°C, also of the substrate
  - Do not apply in full sunlight

- Do not apply during rain.
- » Apply ISOPROOF FR with an airless paint spray device, paint roller or paintbrush, in two layers. Apply the second layer, after the first layer has dried.
- » The drying time of ISOPROOF FR is weather dependant and varies between 4 and 12h in normal conditions.
- » Clean tools with water.

**CHARACTERISTICS**

- » Form: liquid.
- » Colour: black/grey/white (other colours on demand)
- » Total indicative consumption/m<sup>2</sup>: 0,75 kg/m<sup>2</sup>
- » Density (kg/l): 1,2-1,3.
- » pH: 9,0-10,0.
- » Solids (%): >50%.

TEST	NORM	VALUE
Impermeability to water	NBN EN 16302 (2013)	Pass
Vapour permeability (μ)	EN ISO 12572	μ: 2000-2500 ; Sd: 0,6 - 1 <i>Sd value: calculated value based on a consumption of 0,6 - 0,8kg/m<sup>2</sup></i>
Adhesion on mineral surfaces such as concrete brick. (with use of PRIMER 46FR as bonding)	NBN EN ISO 4624 (2016)	> 1 N/mm <sup>2</sup> ; Pass.
Adhesion of ISOPROOF FR on fibre cement boards. (with use of PRIMER 46FR as bonding)	NBN EN ISO 4624 (2016)	> 1 N/mm <sup>2</sup> ; Pass.
Adhesion of ISOPROOF FR on OSB wood. (with use of PRIMER 46FR as bonding)	NBN EN ISO 4624 (2016)	> 1 N/mm <sup>2</sup> ; Pass.
Adhesion of ISOPROOF FR on insulation boards type Recticel.	NBN EN ISO 4624 (2016)	Pass.
Elongation after ageing	NBN EN ISO 12311-1 (1999)	>40%
UV- and weather resistance	EN ISO 16474-3:2013	pass
Resistance to fire class	EN13501	B, s1, D0

**PACKAGING**

Pails - 10 kg. (Pallet: 44 x 10 kg)

**STORAGE**

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

**SAFETY**

Consult the safety data sheet prior to application. Requested to wear eye protection, mouth mask, gloves and safety wear during spray application.

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