



Weatherproof and airtight coating for concrete, masonry and facades; carbonation inhibiting, decorative, de-icing salt resistant and vapour permeable.

Fireclass 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 open membrane, certified fireclass B (EN 13501). ISOPROOF FR functions as carbonatation barrier for concrete surfaces. Also for use as encapsulation coating for asbestos containing surfaces.

Suitable substrates:

- Concrete blocks, clay bricks, calcium silicate stone
- Fibre cement boards
- Insulation panels: EPS, XPS, Kingspan, Extratherm, Rockwool
- OSB, plywood

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/m² (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.

Finishes:

- » Façade panels, Brick, Block, Cement Boards, Aluminum, PVC, Plaster, Behind Glass, anchored (insulation) panels (on and trough isoproof fr membrane)

CHARACTERISTICS

- » Form: liquid.
- » Colour: black/grey/white (other colours on demand)
- » Total indicative consumption/m²: 0,75 kg/m²
- » Density (kg/l): 1,2-1,3.
- » pH: 9,0-10,0.
- » Solids (%): >50%.
- » Temperature resistance after drying: -20°C to +70°C.

TEST	NORM	VALUE (independent test reports)
Impermeability to water	NBN EN 16302 (2013)	Pass
Vapour permeability (μ)	EN ISO 12572	μ: 2486 ; Sd: 0,6 - 1 Sd value: calculated value based on a consumption of 0,6 - 0,8kg/m ²
CO2 permeability	EN 1062-6	Sd > 75 meter (class C1) Pass according EN1504-2
Thermal resistance; resistance freeze/thaw; resistance deicing salts.	EN13687-2	>1 N/mm ²
Airtightness		0,03 m ³ /m ² .h
Airtightness system with rockwool® panels anchored on/trough Isoproof FR membrane on blockwall	EN 12114	0,03 m ³ /m ² .h
Crack bridging	EN 1062-7	23°C – Pass – Class A3 (>500μm) -10°C – Pass – Class A4 (>1000μm) Pass according EN1504-2. Initial crack 100μm
Adhesion on mineral surfaces such as concrete brick.	NBN EN ISO 4624 (2016)	> 1 N/mm ² ; Pass.
Adhesion of ISOPROOF FR on fibre cement boards.	NBN EN ISO 4624 (2016)	> 1 N/mm ² ; Pass.
Adhesion of ISOPROOF FR on OSB wood.	NBN EN ISO 4624 (2016)	> 1 N/mm ² ; 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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