

PROTEGA UPGRADE

Intumescent coating for covering already coated surfaces



PRODUCT DESCRIPTION

Protega Upgrade is a waterborne fire protection coating. It can be used to meet fire class B-s1,d0 on already coated surfaces, such as, wooden or gypsum boards. It is available in white and white tinted and can be tinted into different colours.

Protega Upgrade is converted into a foam layer when it is exposed to high temperatures. The layer effectively dampens the heat flow towards the substrate. In humid environments (RH>75%) or when a wipeable surface is desired, Protega Upgrade is protected with Protega Topcoat W which is approved to achieve fire class B-s1, d0 together with the fire protection coating. Apply a maximum of 100 grams / m² of Protega Topcoat W. Read more about tinting and application on the data sheet for Protega Topcoat W.

FIELD OF APPLICATION

Used indoors for upgrading to B-s1,d0 on already coated wood-based substrates with a minimum thickness of 8 mm. Alternatively non-combustible substrate such as gypsum with a minimum thickness of 6mm. The density of the substrate must be $\geq 338 \text{ kg/m}^3$.

If you need help with quantity calculations, contact our technical support.

APPLICATION

Ensure that the old coating adheres well and that the surface is free from dust and grease. Work should be avoided at lower ambient temperatures than +10°C. The moisture content of the substrate must not exceed 15%. Apply by roller, brush, air or airless sprayer. Stir well before use. Tools are cleaned in water. Recommended nozzle is 0.011-0.017 (inch) and a pressure of 120-160 bar.

DRYING TIME

At a temperature of min. +23°C and a relative humidity of max. 50%, the following guidelines apply: Approx. 4 h for each layer. Can be covered with Protega Topcoat W, after approx. 12 h.

PROTECTIVE MEASURES

Avoid inhalation of spray mist and prolonged skin contact. When spraying, use a respirator, half or full mask with dust filter II b (St). See product's safety data sheet.

Protega Upgrade, B-s1,d0

Quantity g/m ²	Wet film μm	Dry film μm
400	305	215

Protega Upgrade fulfills the requirements for B-s1,d0 with the above mentioned coating quantities when the existing coating thickness is maximum 360 μm . This corresponds to about 8-9 repaintings.

When a wipeable surface is desired or a colour, we recommend overpainting with Protega Topcoat W which is also tintable.

Use of Protega Topcoat W, B-s1,d0

Quantity g/m ²	Wet film μm	Dry film μm
100	75	40

ADDITIONAL DATA

Viscosity: High viscosity

Flash point: Non-combustible

Density: 1,3

Solids content: 70%

Storage: 12 months for unopened packing.

Packaging: 12,5 kg, 44 buckets/ pallet art. nr 1132-00

25 kg, 24 buckets/palletart. nr 1132-25

ATTENTION! Must not be exposed to frost!

APPROVALS

Type Approval for surface, B-s1,d0, according to EN 13501-1, RISE C900769.