AMOTHERM® TOP SB

Protective topcoat for reactive fire protection systems

Rev. February 2025

Solvent-borne, single-component vinyl topcoat for intumescent coating systems

Characteristics: one-component solvent-born vinyl protective finish.
Field of use: finishing layer for painting cycles based on an intumescent coating used in the fire protection of structures; specifically for painting cycles based on AMOTHERM STEEL / AMOTHERM BRICK / AMOTHERM CONCRETE. Suitable for interior or covered exterior applications (e.g. canopies), it provides good moisture resistance to the applied coating. Also used for the final colour of the intumescent system.

Technical data

Painting cycle:	Single monocomponent product
Color	RAL colors
Volumetric mass:	1050 - 1100 g/l (intensive colours) / 1150 – 1250 (light/pastel colours)
Gloss level:	45 +/- 5 gloss
Viscosity:	3000 – 6000 mPa s (BROOKFIELD)
Solid content in weight:	48 – 52% (intensive colours) / 60 – 64% (light/pastel colours)
Drying:	▪ 2 h on the surface ▪ 24 - 48 h in depth
Recoatable:	Can be painted over after at least 24 h
Storage:	at least 1 year in the original, closed packaging; to be stored indoors at normal temperature
Packaging:	per the price list

The technical data provided above refers to measurements of the standard white color formulation. The application characteristics of the product were measured under normal environmental conditions (temperature 20 °C and relative humidity 60%) and refer to the application of a wet film thickness of 100 microns. Formulations different from the standard examined, applied in different thicknesses and under different environmental conditions could exhibit significant variations from the technical characteristics shown above.

Application notes

All technical product documentation is available on the company website and can be downloaded at www.amonncolor.com and in the dedicated section of My Amonn.
Below are the standard operating conditions for the correct application and processing of the protective coating system.
Preparation of the surface: the product is applied when the underlying intumescent coating is completely dry: under normal air temperature and humidity conditions (at 20 °C and 60% relative humidity), 48 - 72 hours after the last coat are sufficient.
Application quantity: the recommended quantity to use is about 150 g/m^2 (120 microns of wet film, 60 microns of dry film).
Product preparation: Mix the product well before use.
Dilution: If necessary, dilute with a maximum of 5% polyurethane thinner.

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Application: spray or brush. As a rule of thumb, 150 g/m^2 of product can be sprayed or applied with a brush on in a single coat.
Use an airless pump for spray application:

- Pneumatic pump with a minimum compression ratio of 30:1
- Electric pump with motor power of at least 1.9 KW
- Pressure 160 bar, nozzle 0013”-0017”, self-cleaning type, delivery hose 3/8"

Do not work with temperatures lower than 5°C and in environments with relative humidity greater than 70%. Check that there is sufficient ventilation for the correct drying of the film applied. Do not apply in the case of rain, wind, fog or high humidity or in direct sunlight.
Only apply when the temperature of the surface is at least 3 °C above the dew point.

Tool cleaning: with with STUFEX 003 thinner immediately after use.

The instructions provided in this document represent the most recent state of the information, development and use of product. The application of the materials is out of our control and, therefore, we can only answer for the constant quality of the product supplied.