

AMOTHERM[®] TOP PU SB

Protective topcoat for fire-proofing systems

Rev. February 2025

Solvent-based polyurethane topcoat for reactive systems

Characteristics: dual-component solvent-based polyurethane protective topcoat.

Applications: topcoat for intumescent fire-proofing coating systems that has been specifically developed for the AMOTHERM STEEL / AMOTHERM BRICK / AMOTHERM CONCRETE paint systems. Suitable for outdoor applications; it provides excellent elasticity, moisture and water resistance. Protects the coating in particularly harsh atmospheres.

Technical data (*)

Paint coating:	Dual-component product
Colour:	RAL colours
Gloss level:	Satin gloss (50 - 60 gloss)
Mass by volume:	1100 - 1200 g/l (intensive colours) / 1250 - 1350 g/l (light/pastel colours)
Test viscosity at time of inspection after Brookfield:	1000 – 2000 mPa s G4 V20
Dry residue in weight:	57 - 63% (intensive colours) / 67 – 73% (light/pastel colours)
Mixing ratio:	4:1 in weight
Pot life:	2 hours
Drying time:	<ul style="list-style-type: none"> ▪ touch dry 4 hours ▪ through-dry 24 – 48 hours
Recoatable:	can be over-painted after at least 6 - 8 hours
Storage:	at least 1 year in the original closed container at a temperature of >5 °C.
Packaging:	as per price list

(*) The information given refers to the mixture of the two components

The technical data given above refer to the results obtained for the standard white formula. The product application details were obtained in normal environmental conditions (temperature 20 °C and relative humidity 60%) and refer to the application of a wet film with a thickness of 100 micron. Variations to the standard used, applications of different thicknesses and/or different environmental conditions may lead to considerable variations in the information given above.

How to apply

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.

Surface preparation: the topcoat is applied when the underlying intumescent layer is completely dry: in normal temperature and humidity conditions (temperature 20 °C and relative humidity 60%) this is 48 - 72 hours after the last layer has been applied.

Application quantity: the recommended quantity is approx. 120-160 g/m² (90-130 micron of wet film corresponds to 60-85 micron of dry film).

Product preparation: prepare the product just before use by combining the two components and mixing them thoroughly. Use all the product within 2 hours of preparing it.

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Dilution: if necessary, dilute with a maximum of 10% polyurethane thinner.

Application: by spray or brush. As a general rule, approximately 120 g/m² of undiluted product can be applied in a single coat, 160 g/m² requires two successive coats.

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, return hose 3/8"

Do not work in temperatures below 5 °C and when relative humidity is above 60%. Make sure the area is well-ventilated to ensure the film is able to dry out thoroughly. Do not apply if it is raining, windy or if there is mist, 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 Stufex 001 thinner or equivalent for polyurethane products immediately after use.

The instructions provided in this document are consistent with the most recently available information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied.