

AMOTHERM[®] STEEL TOP SB

Protective fire-proofing system for steel

Rev. March 2010

Solvent-born vinyl finish for intumescent coating protective system

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 steel structures; specifically for painting cycles based on intumescent coatings AMOTHERM STEEL, it protects the treatment against environmental attack and makes the applied film resistant to condensation, humidity and water; it is also used for the final coloring needs of the intumescent system applied.

For the definition of the painting cycle and the choice of the most suitable protective finish in relation to the classification of atmospheric corrosiveness and the degree of environmental exposure identified, see the table of PAINTING CYCLE examples in the APPLICATION MANUAL – VERIFICATION AND COMPATIBILITY OF PRIMERS AND FINISHES.

Technical data

Painting cycle:	Single monocomponent product
Color	White (other RAL colors upon request)
Volumetric mass:	1100 -1200 g/l
Viscosity:	Thixotropic
Solid content in weight:	60 - 66 %
Drying:	<ul style="list-style-type: none">▪ 2 h on the surface▪ 24 - 48 h in depth
Open time:	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 150 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

Detailed information for the use of AMOTHERM STEEL TOP SB, in all the operational phases of the product life cycle, is provided in the relative Material Safety Data Sheet (MSDS); additional information about the application of the product is provided in the APPLICATION MANUAL of reference. The technical documentation is available on, and can be downloaded from, the site www.amonnfire.it.

Below, we summarize the standard operating conditions for correctly applying the product in question.

Preparation of the surface: the product is applied when the underlying intumescent coating is completely dry: under normal air temperature and humidity conditions, 36 - 48 hours after the last coat are sufficient.

Application quantity: the recommended quantity to use is about 150 g/m² (120 microns of wet film, 60 microns of dry film) for indoor, 250 g/m² for outdoor applications.

Product preparation: Mix the product well before use.

Dilution: the product is supplied ready to use; if necessary, dilute with a maximum of 5% polyurethane thinner, keeping the product constantly agitated for the entire duration of the operation

Application: spray or brush. As a rule of thumb, 150 g/m² of product can be sprayed or applied with a brush on in a single coat (with conventional equipment: 2.5-3.5 atm, 1.5-1.9 diameter nozzles), while for 250 g/m² you

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need two coats, waiting at least 24 hours for the second coat.

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.

Cleaning the equipment: with nitro 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.