

## AMOTHERM<sup>®</sup> STEEL TOP WB

Protective topcoat for fire-proofing systems

Rev. November 2019

### Water-based acrylic topcoat for reactive systems

**Characteristics:** single-component protective topcoat based on acrylic resins in an aqueous dispersion.

**Applications:** topcoat for intumescent fire-proofing coating systems that has been specifically developed for the AMOTHERM STEEL protective paint systems. Suitable for indoor applications, it provides moderate protection against damp and a coloured finish to the intumescent paint below.

### Technical data

Paint coating:	Single component
Colour:	RAL colours
Gloss:	20 +/-5 gloss
Mass by volume:	1100-1300 g/l
Test viscosity:	100 – 250 sec (DIN 6 mm, 20 °C)
Dry residue in weight:	45 - 60%
Drying time:	<ul style="list-style-type: none"> <li>▪ touch dry 1 - 2 hours</li> <li>▪ through-dry 12 - 24 hours</li> </ul>
Recoatable:	can be over-painted after at least 12 hours
Storage:	at least 1 year in the original closed container at a temperature of >5 °C; PROTECT FROM FROST
Packaging:	as per price list

*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

Detailed information about the use of AMOTHERM STEEL TOP WB at all operative stages in the life cycle of the product, can be found in the Safety Data Sheet (SDS). Further information and instructions for applying the product can be found in the USER MANUAL. The technical documentation is available on the company website and can be downloaded at [www.amonncolor.com](http://www.amonncolor.com).

A summary of the standard operating conditions for the correct application of this protective system is given below.

**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 72 - 96 hours after the last layer has been applied.

**Application quantity:** the recommended quantity is approx. 120 g/m<sup>2</sup> or 80-100 ml/m<sup>2</sup> (100 micron of wet film corresponds to 50 micron of dry film).

**Product preparation:** mix the product well before use.

**Dilution:** the product is ready to use. If necessary, dilute with a maximum of 5% water.

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**Application:** by spray or brush. As a general rule, 120 g/m<sup>2</sup> of undiluted product are applied 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 140 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.

**Tool cleaning:** with water 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.**