

## AMOTHERM<sup>®</sup> STEEL PRIMER SB

Anti-corrosive steel primer for fire-proofing systems

Rev. October 2020

### Anti-corrosive solvent-based alkyd primer for reactive systems

**Characteristics:** solvent-based single-component quick-drying primer based on short-oil alkyd resins and zinc phosphate.

**Applications:** special rust-proofing treatment for AMOTHERM STEEL coating systems used to protect metal structures from fire. Suitable for steel surfaces, indoor use or outdoor situations exposed to mild chemical attack.

### Technical data

Paint coating:	single component
Colour:	oxide red or grey
Mass by volume:	1450-1500 g/l
Test viscosity:	3000 – 5000 mPa s (BROOKFIELD)
Dry residue in weight:	67 - 73%
Drying time:	<ul style="list-style-type: none"><li>▪ touch dry 30 mins</li><li>▪ through-dry 8 - 12 hours</li></ul>
Recoatable:	can be over-painted after at least 8 hours
Storage:	at least 1 year in the original closed container at a temperature of >5 °C.
Packaging:	as per price list

*The technical data given above refer to the results obtained for the standard grey 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. 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 PRIMER SB 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:

- New steel: sandblast surface to grade SA 2<sup>1/2</sup>.
- Treated steel: if surfaces have pre-existing anti-corrosive treatments still attached to them, sand down lightly with sandpaper then clean the surface thoroughly with suitable washing solvents; check compatibility and adhesion before applying a new, uniform coat of anti-corrosive primer.

**Application quantity:** the recommended quantity is approx. 150 g/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:** see table below.

**Application:** by spray, roller or brush. As a general rule, 150 g/m<sup>2</sup> are applied in a single coat using a spray or in one or two coats using a roller/brush depending on the condition of the surface and level of anti-corrosion treatment needed. At least 60 minutes should be left between coats.

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Summary of application methods:

METHOD	% dilution (with nitro or polyurethane thinner)	pressure	nozzle
<i>Roller / Brush</i>	<i>3 - 7%</i>	<i>---</i>	<i>---</i>
<i>Air spray</i>	<i>5 - 10%</i>	<i>3 - 4 atm</i>	<i>1.8 - 2.1 mm</i>
<i>Airless spray*</i>	<i>0 - 5%</i>	<i>120 - 150 atm</i>	<i>0.013 - 0.015 inch</i>

\*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

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.

Notes:

Only apply when the temperature of the surface is at least 3 °C above the dew point.

**Tool cleaning:** use STUFEX 004 synthetic thinner 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.**