

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

Rust-proofing steel primer/intermediate adhesion layer for fire-proofing systems

Rev. November 2019

### Water-based rust-proofing primer/intermediate adhesion layer for reactive systems

**Characteristics:** water-based single-component air-drying primer based on acrylic resins and zinc phosphate, ready to use, application at ambient temperature.

**Applications:** special rust-proofing treatment that promotes adhesion of AMOTHERM STEEL paint coatings used to protect metal structures from fire. Suitable as an intermediate coating to promote adhesion of the intumescent coating on galvanised steel or iron surfaces treated with inorganic galvanising coatings.

### Technical data

Paint coating:	single component
Colour:	white
Mass by volume:	1200-1300 g/l
Test viscosity:	1500 – 2500 mPa s (BROOKFIELD)
Dry residue in weight:	52 - 58%
Drying time:	<ul style="list-style-type: none"> <li>▪ touch dry 1 hour</li> <li>▪ through-dry 24 hours</li> </ul>
Recoatable:	can be over-painted after 24 - 48 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 product application details were obtained in normal environmental conditions (temperature 20 °C and relative humidity 60%) and refer to the application of approx. 100 g/m<sup>2</sup>. Application 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 GYPS 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:

- New steel: sandblast surface to grade SA 2<sup>1/2</sup>.
- Galvanised steel: the surface to be treated must be thoroughly clean and dry; when applying to galvanised steel surfaces, we recommend the surface is thoroughly cleaned or lightly sanded down to eliminate all traces of oxide.
- 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. 100 g/m<sup>2</sup> (80 micron of wet film corresponds to approx. 40 micron of dry film).

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

**Dilution:** see table below.

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**Application:** by spray, roller or brush. As a general rule, 100 g/m<sup>2</sup> are applied in a single coat using a spray.  
Summary of application methods:

METHOD	% dilution (with water)	pressure	nozzle
<i>Roller / Brush</i>	<i>0-5%</i>	---	---
<i>Air spray</i>	<i>0-5%</i>	<i>2.5 – 3.5 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:** 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.**