

**AMOTHERM**<sup>®</sup> GYPS WB  
Reactive plasterboard fire-proofing system

Rev. November 2019

**Intumescent coating**

**Characteristics:** intumescent coating based on vinyl polymers in an aqueous dispersion and specific reactive substances which, when exposed to the action of flames or the heat of a fire, generate a foam with heat-insulating properties.

**Applications:** special fire-protection system for plasterboard walls made with standard panels.

**Technical performance:** the contribution made by the protective system to the fire-resistance classification is determined by the criteria of EN 13501-2, with a contribution to fire resistance and insulation of up to 120' (performance tested according to the type of surface under examination).

When applied, the intumescent coating looks like a normal water-based white paint and does not alter the appearance of the wall.

**Technical data**

Components:	single component
Colour:	white
Mass by volume:	1250-1350 g/l
Viscosity:	thixotropic
Dry residue in weight:	65 - 71%
Dry residue in volume:	57 - 63%
Recoatable:	6-8 hours with the same product
Over-painting:	3-4 days from the last coat with topcoat
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 an application of approx. 800 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 WB at all operative stages in the life cycle of the product, can be found on the Safety Data Sheet (SDS). Further information and instructions for applying the protective system 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 intumescent coating is given below.

**Surface preparation:** the surface to be protected must not have any grease, dust, damp stains, mould or soot. Before applying the intumescent paint, treat the surface with a coat of AMOTHERM GYPS PRIMER WB acrylic primer, following the instructions in the product technical specification.

**Application quantity:** the amount of intumescent coating to apply depends on the construction of the wall and the fire performance required.

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

**Dilution:** the product is ready to use; dilute with a maximum of 5% water, do NOT exceed the recommended amounts.

**Application:** by airless spray, roller or brush.

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
- Minimum pressure 150 bar, nozzle 0021"-0031", self-cleaning type, return hose 3/8", removing any filters (maximum quantity that can be applied in one coat: 800 - 1000 g/m<sup>2</sup> of product corresponds to a WFT of 600-800 micron).

As a general rule, approx. 400 g/m<sup>2</sup> of product can be applied in a single coat with a roller or brush.

We recommend working in a temperature of between +5 and +40 °C with relative humidity below 60%. Check there is sufficient ventilation to ensure the film applied is able to dry out thoroughly.

**Tool cleaning:** with water immediately after use.

**Protective system:**

No protective topcoat is needed when the system is applied in an indoor environment with no aggressive chemical agents; when a coloured finish is required, we recommend applying a coat of AMOTHERM GYPS TOP WB topcoat.

We do not recommend using very thick surface finishing treatments (e.g. plastic wall coatings, plaster, wallpaper, etc..) which could interfere with the fire-expansion characteristics of the material or applying tiles, panels, slabs or other glued coverings which, in the case of fire, could jeopardise the underlying intumescent coating from generating the protective foam.

**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.**