

## AMOTHERM<sup>®</sup> WOOD 700 WB

Two-component waterbased primer/finish for wood with a natural look and feel

Rev. April 2024

### Transparent primer/finish for wood with a natural look and feel

**Characteristics:** Non-yellowing two-component waterbased primer/finish, formulated with a special combination of acrylic resins and flame-retardant substances to preserve the natural appearance of wood. It is characterized by stain resistance and surface hardness."

**Applications:** To reduce the reaction to fire of wood or wood-derived products, which have fire-retardant MDF panels as a base, used for furniture, various furnishings, stage sets, stands, etc., the fire resistance of the product is reduced.

**Technical performance:** the paint coating is classified:

- **REACTION TO FIRE:**
  - *EUROCLASS B-s2,d0* in accordance with EN 13501- part 1. The classification applies to the protection of MDF-based fire-retardant panels installed on walls or ceilings in accordance with the technical criteria specified in EN 13823 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item and EN ISO 11925 ISO 11925 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame: Part 2: Single flame source test.

### Technical Data

<b>Characteristics</b>	
Components:	Dual-component
Colour:	Transparent, colourless
Gloss:	Deep Matt: 7 - 12 GLOSS Matt: 12 - 18 GLOSS
Mass by volume:	➤ 1,09 +/- 0,05 g/cm <sup>3</sup> comp. "A" ➤ 1,12 +/- 0,05 g/cm <sup>3</sup> comp. "B"
Test viscosity:	➤ 110 – 130 s (DIN 4) comp. "A" ➤ 1100 – 1300 mPas (BROOKFIELD) comp. "B"
Dry residue in weight:	➤ 40 - 44% comp. "A" ➤ 100 % comp. "B"
Catalysis ratio:	100:15 by weight
Pot life	90 minutes
Drying time:	▪ dust dry 40' ▪ sanding 24 hours ▪ dry to handle 24- 48 hours
Recoatable:	after a minimum of 4 hours, without sanding after min. of 12 hours from the last coat with intermediate sanding between coats
Storage:	1 year in the original closed container at a temperatures between 5°C and 30°C.
Packaging:	as per price list

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The technical data given above refer to the results obtained for the transparent formula, colourless, in the matt finish. 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 of thickness 120 micron. Application of different thicknesses and/or in different environmental conditions may lead to considerable variations in the technical features given above.

### How to apply

All technical product documentation is available on the company website and can be downloaded from [www.amonncolor.com](http://www.amonncolor.com) and the dedicated section of *My Amonn*.

A summary of the standard operating conditions for the correct application of this protective system is given below.  
**Surface preparation:** The application must be carried out directly on raw wood or treated with non-film-forming impregnation, free from waxes or water-repellent products.

The surfaces to be treated must be clean and dry; we recommend carefully removing dust and any traces of oil and grease.

Before application, check that the humidity of the wood to be treated does not exceed 15%.

**Quantity to apply:** 240 g/m<sup>2</sup>.

**Product preparation:** Mix component "A" thoroughly, then add the catalyst and mix the mixture well to homogenize the product for proper catalysis. After mixing, the product should be used within the service life of the mixture.

**Dilution:** If dilution is necessary, follow the instructions in the table below.

**Application methods:** The product can be applied by spraying, both conventional or airless. A brush may be used, but the quality of the finish will not be of the same standard.

Follow these instructions and quantities for the best aesthetic results (furniture, etc.):

- One coat of 120 g/m<sup>2</sup> AMOTHERM WOOD 700 WB
- After at least 24 hours, sand with fine sandpaper (320-340)
- Apply a second coat of 120 g/m<sup>2</sup> of AMOTHERM WOOD 700 WB.

For other applications, please follow these instructions and quantities:

- One coat of 120 g/m<sup>2</sup> AMOTHERM WOOD 700 WB.
- After at least 4 hours and within 8 hours, without sanding
- Apply a second coat of 120 g/m<sup>2</sup> of AMOTHERM WOOD 700 WB.

If you dilute the product, you need to recalculate the exact consumption per coat, based on the dilution made.

The product will adhere between coats if the over-painting times and sanding stages are respected. Using hot air during application speeds up hardening times.

It is recommended to operate with room and product temperature above 10°C and maximum relative humidity of 65 percent.

METHOD	% dilution (water)	pressure	nozzle
<i>Brush/roller</i>	<i>0 – 5%</i>	<i>---</i>	<i>---</i>
<i>Air spray (cup spray gun)</i>	<i>5 – 10%</i>	<i>3 - 4 bar</i>	<i>1.5 – 1.8 mm</i>
<i>Airmix spray</i>	<i>0 – 10%</i>	<i>3.0- 4.0 bar (pump) 2.5 – 3.0 bar (pistol)</i>	<i>0.011 - 0.013 inch</i>
<i>Airless spray*</i>	<i>0 – 10%</i>	<i>80 – 120 bar</i>	<i>0.013 - 0.015 inch</i>

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\* Use an airless pump for spray application:

- Pneumatic pump with a compression ratio of 15:1
- Electric pump with motor power of at least 1.9 KW

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

**Warnings and safety:**

- The product for professional and industrial use does not require training under EU Regulation 2020/1149. Free monomer content (di-isocyanate) <0.1% in catalyst.
- With prolonged storage, the flame retardants in the product tend to settle to the bottom of the packaging. It is recommended to mix the product thoroughly before using.
- All paints are sensitive to certain particularly aggressive products used to clean surfaces (ammonia detergents, solvents, sodium hypochlorite, ethyl alcohol in high concentrations, concentrated acids, detergents containing abrasive substances, etc.). To avoid any inconvenience, painted surfaces must always be cleaned with water-based, pH-neutral detergents.
- This product is provided for professional/industrial use and professional applicators only. It is recommended that you always refer to product SDSs for health and safety provisions and storage and disposal rules.

**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.**