

WHITE FIRE-RETARDANT WATER-BASED SYSTEM

Standard	Country	Class	Certificates and validations	Substrate
DM 06/03/92 - UNI 9796	IT	1	Validation no. B02476PV100031 of 28/08/2018	*Wall and ceiling
EN 13501/EN 13823	EU	B-s2,d0	Test report no. 349999 of 16/03/2018	Standard 18 mm MDF
EN 13501/EN 13823	EU	B-s1,d0	Test report by Istituto Giordano	Rock wool

*For all types of wood except for: materials veneered with thermoplastic resin-based adhesives, assembled with cellular or strip structures with air cavities (e.g. rattan, braided rush) filled with heterogeneous materials.

Base coat-top coat version

Y00600	White matt
Recommended use	Rock wool or MDF panelling and panelling in general
Application method	Spray gun, manual roller and brush
Product preparation	Dilute up to a maximum of 20% with water

Chemical-physical characteristics (23°C)

	Y00600	YC1115	General information on the system Drying at 20°C and UR% between 45 and 65: 200 g/m ²	
Solid content (%)	50	80	Dust free	30 minutes
Specific weight (g/cm ³)	1,200	1,135	Touch free	60 minutes
Viscosity (seconds)	DIN 8 = 24	-	Overcoating	4 hours
pH	From 7 to 8	-	Sandable	4 hours

Application system in order to obtain Class B-s1,d0 or B-s2,d0 of Reaction to Fire in accordance with EN 13501/EN 13823

Wooden substrate preparation	Clean the surface and remove old coating films before the application.						
Base coat-top coat preparation for application	Mixing by weight: <table border="0"> <tr> <td>White matt base coat-top coat</td> <td>Y00600</td> <td>100%</td> </tr> <tr> <td>Cross-linker</td> <td>YC1115</td> <td>From 2 to 4%</td> </tr> </table>	White matt base coat-top coat	Y00600	100%	Cross-linker	YC1115	From 2 to 4%
White matt base coat-top coat	Y00600	100%					
Cross-linker	YC1115	From 2 to 4%					
Base coat-top coat preparation for application	Ready to use. For roller or brush application, dilute up to a maximum of 20% with water. Please note that the amount of product to be applied must be recalculated based on the dilution.						
Application method	Spray gun, manual roller and brush						
Product application	<p>Application on rock wool panelling: Apply two coats of white matt water-based base coat-top coat Y00600, separated by a gap of 4 hours, with a grammage of 150 g/m². Sand lightly with 240/320 grit sandpaper between coats. Total quantity to be applied: 300 g/m².</p> <p>Application on MDF panelling or other materials: Apply two coats of white matt water-based base coat-top coat Y00600, separated by a gap of 4 hours, with a grammage of 200 g/m². Sand lightly with 240/320 grit sandpaper between coats. Total quantity to be applied: 400 g/m².</p>						

Maintenance

The use of a wet cloth and mild detergents is recommended to clean and maintain the surfaces, coated by fire-retardant systems, drying the surface well after cleaning. To keep the product certified it is recommended to check periodically the condition of the coating film. If the support must be restored, apply the same validated quantities.

General information

- Mix the product well before the use.
- During the application the temperature of the product, the substrate and the environment should never fall below 15°C.
- Coating films, formed below this temperature, have lower properties of chemical and mechanical resistance than standard performance that can be achieved in normal conditions.
- Coating leftover (washing water, water from spray cabin, used coatings) must be disposed of in accordance with local regulations. Never dispose of leftovers directly in the drainage system.
- Application tools must be cleaned with water immediately after the use. In case dry coating films must be removed, use AY---M460, leaving it work overnight, and then rinse with water.
- After long storage periods, always check for any presence of sediment at the bottom of the can and homogenize the product well before the use.
- It is possible to add thixotropic additive AY---M454 in the percentage from 0,5% up to 1%, when it is necessary to apply more than 200 g/m² of Y00511 on a vertical surface.
- Not cold-resistant: do not store at temperatures below 5°C.
- The standards also require the application of fire-retardant products on hidden surfaces if there are air gaps between the object and the wall or floor.
- The product may also be applied to outdoor articles, in which case its durability depends on the substrate type, exposure, cross-linking and performed routine maintenance. For a better adherence and durability, use white impregnating stain YM---S050/--C02 for the first coat (80 g/m² max), and wait 4 hours before applying the fire-retardant base coat-top coat Y00600.