

## WHITE FIRE-RETARDANT WATER-BASED SYSTEM

Standard	Country	Class	Certificates and validations	Substrate
EN 13501/EN 13823	EU	B-s2,d0	Test report no. 346355 of 31/10/2017	Standard 18 mm MDF
UNI 9796	IT	1	Validation no. B02476PVI100030 of 23/04/2018	All types of wood*

\*For all types of wood except for: materials veneered through thermoplastic glue, assembled in cellular or slat structure including air (e.g. rattan or cane marrow) and filled with heterogeneous materials.

**Base coat-top coat version**

Y00600	White matt
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Recommended use	Wall, ceiling and furniture
Application method	Spray gun, manual roller and brush
Product preparation	Dilute up to a maximum of 20% with water

Chemical-physical characteristics (23°C)			General information on the system Drying at 20°C and UR% between 45 and 65: 200 g/m²	
	Y00600	YC1112		RAF-AP1
Solid content (%)	50	70	Dust free	30 minutes
Specific weight (g/cm³)	1,200	1,100	Touch free	60 minutes
Viscosity (seconds)	DIN 8 = 18	-	Overcoating	4 hours
pH	From 7 to 8		Sandable	8 hours

Application system in order to obtain Class B-s2-d0 in accordance with EN 13501/EN 13823 and Class 1 of Reaction to Fire in accordance with DM 06/03/92				
Wooden substrate preparation	Clean the surface and sand with 120/150 grit sandpaper. Remove the old coating film completely.			
Base coat-top coat preparation for application	Y00600 can be used as 1k base coat-top coat. To improve chemical resistance, it is recommended to catalyse up to a maximum of 20%.  Mixing by weight: White matt base coat-top coat                      Y00600                      100% Catalyst    YC1112                      from 5 to 20%			
Base coat-top coat preparation for 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	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.			

**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 after use. When dry films must be removed, use AY---M460, leaving it to work overnight, and then rinse with water.
- After long storage periods, always check for any presence of sediment at the bottom of the container and homogenize the product well before use.
- It is possible to add thixotropic additive AY---M454 in the percentage from 0,5% 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.