

2K TRANSPARENT FIRE-RETARDANT WATER-BASED SYSTEM

Standard	Country	Class	Certificates and validations	Substrate
EN 13501/EN 13823	EU	B-s2,d0	Certificate no. 1104079-04 of 04/05/2011	Fire-retardant MDF
DM 06/03/92/UNI 9796	IT	1	Validation no. B02476PVI00012 of 21/11/07	Wall*
Circ. 91	IT	R90/R120	Test report no. 226818/2966FR of 13/06/2007 and no. 229549/2997FR of 27/08/2007	30x20 cm spruce beam

*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.

Top coat versions	
Y01012	Transparent larch
Y01013	Colourless

Recommended use	Wall, ceiling and furniture
Application method	Manual roller, brush and spray gun
Product preparation	Dilute up to a maximum of 10% with water

Chemical-physical characteristics (23°C)				General information on the system Drying at 20°C and UR% between 45 and 65: 150/200 g/m ²	
	YL0512	Y0101X	YC1112		RAF-ATB
Solid content (%)	30	30	70	Dust free	45 minutes
Specific weight (g/cm ³)	1,030	1,100	1,100	Touch free	60 minutes
Viscosity (seconds)	DIN 6 = 45	DIN 6 = 55	-	Overcoating	4 hours
Pot-life	4 hours	2 hours		Sandable	6 hours

Application system in order to obtain Class 1 of Reaction to Fire in accordance with UNI 9796, Class B-s2-d0 in accordance with EN 13501-1, and Class R90 and R120 in accordance with Circ. 91 of 14/09/1961

Wooden substrate preparation	Clean the surface and sand with 120/150 grit sandpaper. Remove the old coating film completely.				
Base coat preparation for the application	Mixing by weight:				
	Transparent base coat	YL0512	100%		
	Catalyst	YC1112	10%		
Top coat preparation for the application	Mixing by weight:				
	Matt top coat	Y0101X	100%		
	Catalyst	YC1112	20%		
Base coat and top coat preparation for the application	Dilute up to a maximum of 10% with water. Please note that the amount of product to be applied must be recalculated based on the dilution.				
Application method	Manual roller, brush and spray gun				
Product application	<p>Application in order to obtain Class 1 - UNI9796 and Class B-s2,d0 - EN 13501/EN 13823</p> <p>Apply one coat of transparent base coat YL0512 with a grammage of 120 g/m². Let it dry off at least for 6 hours and sand lightly with 320 grit sandpaper. Apply two coats of matt water-based top coat Y0101X, separated by a gap of 16 hours, with a grammage of 200 g/m². Between the two coats sand lightly with 320 grit sandpaper. Total quantity to be applied: 520 g/m².</p> <p>Application in order to obtain Class R90 and R120 - Circ. 91</p> <p>Apply one coat of transparent base coat YL0512 with a grammage of 120 g/m². Let it dry off at least for 6 hours and sand lightly with 320 grit sandpaper. Apply three (R90) or four (R120) coats of matt transparent water-based top coat Y0101X, separated by a gap of 16 hours, with a grammage of 200 g/m². Between the two coats sand lightly with 320 grit sandpaper. Total quantity to be applied in order to obtain Class R90: 720 g/m². Total quantity to be applied in order to obtain Class R120: 920 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
<ul style="list-style-type: none"> 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. Not cold-resistant: do not store at temperatures below 5°C. In particular environmental conditions, the product can develop sensitivity to humidity. Avoid using it in very damp spaces.