

2K TRANSPARENT FIRE-RETARDANT WATER-BASED SYSTEM FOR FLOORING

Standard	Country	Class	Certificates and validations	Substrate
DM 06/03/92	IT	1	Validation no. B02476PVI00014 of 25/08/14 and no. B02476PVI00019 of 18/02/16	Floor*
EN 13501/EN 9239	EU	BFL-s1	Certification no. 343353 of 27/6/2017	Floor panels not in adherence, made of birch plywood veneered with common oak

*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.

Top coat versions	Validation	
Y00040	Matt 0 gloss	B02476PVI00019
Y02040	Matt 20 gloss	B02476PVI00014
Y05040	Semi-glossy 50 gloss	B02476PVI00014

Recommended use	Flooring
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: 120 g/m ²	
	YOXX40	YC1112		RAF-ATB PAV
Solid content (%)	30 ± 1	70	Dust free	60 minutes
Specific weight (g/cm ³)	1,030	1,100	Touch free	90 minutes
Viscosity (seconds)	DIN 4 = 60 ± 10	-	Overcoating	4 hours
Viscosity 0 Gloss (seconds)	DIN 4 = 23 ± 5	-	Sandable	16 hours
Pot-life	3-4 hours	-	Trampling	24 hours
pH	From 7 to 8	-	Practicable	3 days

Application system in order to obtain Class 1 Reaction to Fire in accordance with UNI 9796 and Class BFL-s1 in accordance with EN 13501-1							
Wooden substrate preparation	For rough wood, sand with 150/180 grit sandpaper and thoroughly clean off any residues before coating. For restoration, always check compatibility with previously applied coatings, sand with 400 grit sandpaper and clean thoroughly.						
Base coat-top coat preparation for the application	Mixing by weight: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Transparent base coat-top coat</td> <td>YOXX40</td> <td>100%</td> </tr> <tr> <td>Catalyst</td> <td>YC1112</td> <td>10%</td> </tr> </table>	Transparent base coat-top coat	YOXX40	100%	Catalyst	YC1112	10%
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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	Spray gun: Apply one coat of transparent base coat-top coat YOXX40 with a grammage of 120 g/m ² . Roller or brush: Apply one coat of transparent base coat YOXX40 with a grammage of 60 g/m ² . Wait 4 hours and sand with 280/320 grit sandpaper. Apply one coat of transparent base coat YOXX40 with a grammage of 60 g/m ² . Total quantity to be applied: 120 g/m ² .						

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 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. 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.

Taber test UNI 9115/87 on a larch panel		
A weight of 500 g was applied for the test on grinders covered with S42 grit sandpaper		
GA Wear level	RA Wear resistance	UNI class
45	175	4

Routine maintenance
For the cleaning and the maintenance of surfaces, coated with fire-retardant systems, it is recommended to use a damp cloth and neutral water-based detergents SOLIDSUPERCLEAN XD4010 or SOLIDCLEAN XD4050; dry thoroughly the surface after cleaning. To maintain and protect the fire-retardant coating, use a damp cloth to apply water-based oil with beeswax YS---M009, diluted with 50-60% water, every 2/3 months. Applying this product regularly will help delaying the need for extraordinary maintenance.

Extraordinary maintenance
After a certain period, which will depend on the performed routine maintenance, and above all on the frequency and influx of people, you may notice surface wear that can be restored by sanding with 400 grit sandpaper and applying a light coat of YOXX40 with 10% of YC1112 catalyst. If the coating peels, restore the damaged part by sanding with 150/180 grit sandpaper and follow the procedure as for rough wood. To keep the object certified, we recommend periodically checking the condition of the coating film. In any case, do not use strong or abrasive detergents, nor those containing ammonia, abrasive or silicone.