

2K TRANSPARENT FIRE-RETARDANT WATER-BASED SYSTEM

Standard	Country	Class	Certificates and validations	Substrate
DM 06/03/92 - UNI 9796	IT	1	Validation no. B02476PVI00027 of 02/11/17	Wall/Ceiling*
BS 476 part 7	UK	1	Test report no. 27/04660°/06/18 of 27/06/18	Solid wood wall
DM 06/03/92 - UNI 9796	IT	1	Validation no. B02476PVI00029 of 14/02/18	Floor*

*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 matt larch
Y01013	Matt colourless

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

Chemical-physical characteristics (23°C)

	Y0101X	YC1112
Solid content (%)	30	70
Specific weight (g/cm³)	1,100	1,100
Viscosity (seconds)	DIN 6 = 55	-
Pot-life	2 hours	

General information on the system

Drying at 20°C and UR% between 45 and 65: 150/200 g/m²

	RAF-ATB2
Dust free	45 minutes
Touch free	60 minutes
Overcoating	4 hours
Sandable	6 hours

Application system in order to obtain Class 1 of Reaction to Fire in accordance with UNI 9796

Wooden substrate preparation	Clean the surface and sand with 120/150 grit sandpaper. When recoating, always check the condition of the old coating film and its compatibility. Completely remove the old films if necessary.
Top coat preparation for the application	Mixing by weight: Matt base coat-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	For use on wall/ceiling: Apply one coat of transparent base coat-top coat Y0101X with a grammage of 200 g/m². Let it dry off at least for 4/6 hours and sand lightly with 240/320 grit sandpaper. Apply one coat of transparent water-based base coat-top coat Y0101X with a grammage of 200 g/m². Total quantity to be applied: 400 g/m². For use on floors: Apply one coat of transparent base coat-top coat YOX01X with a grammage of 150 g/m². Let it dry off at least for 4/6 hours and sand lightly with 240/320 grit sandpaper. Apply one coat of transparent base coat-top coat YOX01X with a grammage of 150 g/m². Total quantity to be applied: 300 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 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.
- 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.

Diluting, sanding and spraying

Fire-retardant systems must comply with the certified application grammage. Diluting or sanding products means reducing the product weight on the object, so we recommend always recalculating the exact amount that will be lost. The same procedure must be applied when spraying, as the gun may reach up to 50% over spraying. Note that the best solution will be to weigh the object during application, but as this is not always feasible, we recommend assessing the surface to be painted and weighing the product in the cup.

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