

## 2K TRANSPARENT FIRE-RETARDANT WATER-BASED SYSTEM

Standard	Country	Class	Certificates and validations	Substrate
NF P 92-501	FR	M1	Certificate no. RA18-0062 of 30/03/18	Wall/Ceiling

### Top coat versions

Y01021	Matt 10 gloss
Y07021	Semi-glossy 70 gloss

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)			General information on the system Drying at 20°C and UR% between 45 and 65: 150/200 g/m <sup>2</sup>	
	YOXX21	YC1112		RAF-ATB M1
Solid content (%)	30	70	Dust free	45 minutes
Specific weight (g/cm <sup>3</sup> )	1,030	1,100	Touch free	60 minutes
Viscosity (seconds)	DIN 6 = 55	-	Overcoating	4 hours
Pot-life	2 hours		Sandable	6 hours

### Application system in order to obtain Class M1 of Reaction to Fire in accordance with NF P 92-501

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: Transparent base coat-top coat Catalyst	YOXX21 YC1112	100% 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	Apply one coat of transparent base coat-top coat YOXX21 with a grammage of 100 g/m <sup>2</sup> . Let it dry off at least for 6/8 hours and sand lightly with 240/320 grit sandpaper. Apply one coat of transparent water-based base coat-top coat YOXX21 with a grammage of 100 g/m <sup>2</sup> . Total quantity to be applied: 200 g/m <sup>2</sup> .			

### 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.
- 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.

### 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 it is recommended always to recalculate 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. Please note that the best solution will be to weigh the article during application, but as this is not always feasible, it is recommended to assess the surface to be painted and weigh the product in the cup.