

RAF-A MULTICOLOR M1

2K PIGMENTED 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 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	
	YOXX21	YC1112		RAF-ATB M1
Solid content (%)	30	70	Dust free	45 minutes
Specific weight (g/cm³)	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. In case of overapplication, always check the condition of the old coating film and its compatibility; completely remove the old films if necessary.			
Base coat-top coat preparation for application	Mixing by weight:			
	Transparent top coat	YOXX21	90%	
	Pigmented pastes	EY---M460/XXX	8-10%*	
		EY---M690/XXX	6-8%*	
	Catalyst	YC1112	20%	
	*The percentage of paste varies according to the pigment coverage degree			
Dilution	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 water-based base coat-top coat YOXX21 + pigmented paste EY---M460/XXX max 10% or EY---M690/XXX max 8% with a grammage of 100 g/m². Let it dry off for at least 6/8 hours and sand lightly with 240/320 grit sandpaper. Apply one coat of transparent water-based base coat-top coat YOXX21 + pigmented paste EY---M460/XXX max 10% or EY---M690/XXX max 8% with a grammage of 100 g/m². Total quantity to be applied: 200 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
<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.

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 always recommended to recalculate the exact quantity that will be lost. The same procedure must be applied when spraying, because the spray gun may reach up to 50% of overspraying. Please note that the best solution will be to weigh the object during the application, but as this is not always feasible, it is recommended to evaluate the surface to be painted and weigh the product in the cup.