FIREWALL
RENNER ITALIA'S FIRE-RETARDANT COATINGS

RAF-PEP

BRIGHT PIGMENTED FIRE-RETARDANT SYSTEM

Certifications and validations	Substrate
U.S. - Class B ASTM-E84 - Test report no. 480.P.14 of 15/04/2014 - LAPI IT - Class 1 UNI 9796 - Class certificate no. 3303/11281/14 of 16/12/2014 - C.S.E.	U.S. - For all MDF substrates IT - 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

Recommended use	Wall, ceiling not in adherence	For interior use
Application method	Spray gun	

Chemical-physical characteristics (23°C)

	FIF041	PLF025/C02	FBF025/NTR
Solid content (%)	16	78	52
Specific weight (g/cm^3)	0,890	1,450	1,010
Viscosity (seconds)	DIN 4 = 12	DIN 6 = 45	DIN 6 = 40
Pot-life	2 hours	25 minutes	4 hours

General information on the system
Drying at 20°C and UR% between 45 and 65: 150 g/m^2

	RAF-PEP
Dust free	45 minutes
Touch free	3 hours
Overcoating	48 hours
Sandable	72 hours

Application system in order to obtain Class B (ASTM) and Class 1 (UNI) on MDF

Wooden substrate preparation	Clean the surface and sand with 150/180 grit sandpaper.
Sealer, base coat and top coat preparation for application	Mixing by weight: Transparent sealer — FIF041 — 100% Catalyst — FCF041 — 100% White PE base coat — PLF025/C02 — 100% Accelerator — PC---M002 — 2% Catalyst — PC---M012 — 2% Diluent — DP---M040 — 20% PU bright converter top coat — FBF025/NTR — 75% Pigmented paste — EF---M060/CXX — 25% Catalyst — FCF025 — 100% Diluent — DF---M600 — 20%
Base coat and top coat preparation for the application	The recommended dilution is 20%. If you use a higher dilution, recalculate the amount of product to be applied.
Application method	Spray gun
Product application	Apply one coat of transparent barrier FIF041 with a grammage of 60 g/m^2. Let it dry off at least for 3 hours and sand lightly with 320 grit sandpaper. Apply three coats of white PE base coat PLF025/C02 with a grammage of 250 g/m^2, separated by a gap of 30 minutes. Let it dry off at least for 8 hours and sand lightly with 400 grit sandpaper. Apply one coat of PU top coat FBF025/NTR + pigmented paste EF---M060/CXX max 25% with a grammage of 120 g/m^2. Total quantity to be applied: 930 g/m^2.

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

- The products expire 12 months from the manufacturing date. Check for any sediment at the bottom of the container and homogenize the product well before use.
- Do not allow accelerators (cobalt salts) to come into contact with hardeners (peroxides and reducing agents in general) as they may generate hazardous exothermic reactions.
- These products are subject to an increase in viscosity over time.

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