



FIRE RETARDANT PAINT NF-631-FP

Description

Nilifam-631-FP is designed for use as an fire retardant paint available in white color. The product is ideally suited for metal and structure, interior and exterior surfaces with good color and fire retardancy.

Nilifam-631-fp must be applied as topcoat.

Recommended use

Adhesion

Good to both primed and clean surfaces.

Gloss Retention

Good in mild to medium environments.

Temperature resistance

Dry: Maximum 70°C

Physical properties

Colors/Shade No

White.

Finish

Matt

Solid by Volume-%

38±2

Theoretical spreading rate

0.38 m² /lit-1000 Mic.

16 sq ft/US gallon-400mils

Flash point

38°C

Specific gravity

1.7 kg/lit-9.7 lbs/US gallon

V.O.C.

0 gr/lit

Shelf life

1 Year (25°C/77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

Application details

Conditions

Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3 °C above the dew point.

Spray setting

Pump ratio minimum

30:1

Tip size

0.017–0.019

1.8 mm

Tip pressure

150 bar / 2200 Psi

4-5 bar

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools

Indicated film thickness, dry

38 microns

Indicated film thickness, wet

100 microns

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Drying and Curing Times at (20°C)

Dry to touch	Max .4 hour
Hard dry	72 hours
Full curing	Max.15 days
Recoat interval, min	8 hours
Recoat interval, max	15 days, see Remarks

Application and Curing Conditions

Surface condition The surface should be stable, firm, dry and free of dust, sand, loose old paint, dirt, grease and oil. It is recommended to apply a primer prior to top coating.

Maintenance Touch-up with primer on areas repaired with filler is recommended prior to application of topcoats.

Remarks

Recoating Coat -----

Subsequent Coat None.

Film thickness May be specified in another film thickness than indicated depending on purpose and area of use.
This will alter spreading rate and may influence drying time and recoating intervals. Normal range is 1000 microns/400 mils.

Thinning -----
Recoating -----
And drying/curing -----
Time -----

Physical data versus temperatures in mild atmosphere:					
Surface temperature		5°C/41°F	10°C/50°F	20°C/6°F	30°C/86°F
Dry to touch approx.		10 hours	6 hours	4 hours	3 hours
Resist condensing humidity/ light showers after		4 days	2 days	36 hours	12 hours
Fully cured		-	30 days	15 days	10 days
Recoating interval with alkyd top coat	Min	24 hours	16 hours	8 hours	6 hours
	Max	None	None	None	None

Maximum recoating interval in moderate atmosphere is 15 days.

A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.

Salts should be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Nilifam material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.