

ALKYD TOP COAT NF-835-SG

Description

Nilifam-835 is designed for use as an alkyd topcoat available in a wide range of colors. The product is ideally suited for metal and wood, interior and exterior surfaces with good color and gloss retention.

Nilifam-835 can be applied as topcoat for kitchens and bathrooms, doors, window frames, furniture and woodwork in general.

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 /RAL No.

Black /RAL No.

Finish

Semi Glossy

Semi Glossy

Solid by Volume-%

40±2

38±2

Theoretical spreading rate

10 m² /lit-40 Mic.

9.5 m² /lit-40 Mic

421 sq ft/US gallon-1.57mils

400 sq ft/US gallon-1.57mils

Flash point

38°C

38 °C

Specific gravity

1.4 kg/lit-11.76 lbs/US gallon

1.2 kg/lit-10.08 lbs/US gallon

V.O.C.

Max. 450 gr/lit

Max 540 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.

Method

Airless sprays

Air spray

Brush (touch-up)

Thinner (max. vol.)

NF-T-8 (10-30%)

NF-T-8 (20%)

NF-T-8 (5%)

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

NF-T-8

Indicated film thickness, dry

40 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	Alkyd type primer Such as NF-815 or intermediate such as NF-835-M5.
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 40-50 microns/1.2-2 mils.
Thinning	The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner NF-T-8 is recommended in general.
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.