



Description

Nilifam-133-FC is a high-build, modified two-component epoxy paint, which cures to coating with good resistance to water, splashes of mineral oils, aliphatic hydrocarbons, and to abrasion and impact. Limited resistance to aromatic and stronger solvents and to acids and oxidizing materials.

Nilifam-133-FC As a topcoat with no maximum recoating interval in Epoxy systems. Curing agent NF-133-FC-CA, polyamine, is typically for use above 5°C/41°F

Recommended use

Adhesion	Excellent to both primed & grit blasted and manually prepared steel surfaces (5A).
Corrosion resistance	Excellent on correctly prepared steel surfaces and primed concrete surfaces.
Temperature resistance	Dry: Maximum 120°C

Physical constants

Colours/shade:	Grey/RAL NO
Finish:	Flat
Volume solids, %:	99±0.5
Theoretical spreading rate:	0.95 m ² /lit-1000 Mic.
Flash point:	28°C
Specific gravity:	1.75±0.15 kg/l
Dry to touch:	4 hours at 20°C
(Initial) hardness:	1 day
Fully cured:	7 days
VOC content:	Max. 60 gr/l

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 spray	Brush (touch-up)
Thinner (max. vol.)	---	---
Spray setting		
Pump ratio minimum	40:1	
Tip size	0.021"-0.019"	
Tip pressure	150 bar/2100 Psi	

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools	NF-T-1
Indicated film thickness, dry	950 microns
Indicated film thickness, wet	1000 microns



Surface preparation

Steel surface should ideally be abrasive blast cleaning to minimum Sa 2½. The surface must be completely clean and dry prior to application. And its temperature must be above the dew point to avoid condensation

Packaging (typical)	Mass (Kg)	Size of containers (litres)
Nifopoxz comp A	20	20
Nifopoxz comp B	3	4

Mixing	Mixing ratio (by weight)	Nifopoxz comp A	Nifopoxz comp B
		100	15
	Pot life	5 hours (20°C/ 68°F)	

Storage & handling

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf-life

Nifopoxz comp A	12 month(s)
Nifopoxz comp B	12 month(s)

In some markets commercial shelf life can be indicated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Remarks

Preceding Coat	Epoxy intermediates such as NF-123-FC.
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 1000-1500 microns.
Thinning	Don't use thinner
Recoating/Drying/ Curing Time	Recoating intervals related to later conditions of temperature: (75 micron/3 mils dry film thickness)

Physical data versus temperatures:		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Surface temperature		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Dry to touch approx.		16 hours	8 hours	4 hours	3 hours.
Resist condensing humidity/ light showers after		4 days	2 days	24 hours	12 hours
Fully cured		20 days	14 days	7 days	5 days
Recoating interval with epoxy intermediate	Min	24 hours	16 hours	8 hours	4 hours
	Max	60 days	30 days	14 days	10 days



Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Nilifam's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Nilifam representative for approval before commencing the work.

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

Tools and equipment

