Description

Nilifam-143-FC is a two-component epoxy varnish based on epoxy polyamine resins with an excellent sealing on concrete and steel surfaces.

Recommended use

Adhesion	Good to both primed surfaces.
Corrosion resistance	Excellent on correctly primed surfaces.
Temperature resistance	Dry: Maximum 100°C Wet: Maximum 60°C

Physical constants

Colours/shade:	Clear
Finish:	Gloss
Volume solids, %:	80±5
Theoretical spreading rate:	10 m² /lit-50 Mic.
Flash point:	36 °c
Specific gravity:	1.00±0.10 Kg/l
Dry to touch	
(Initial)	8 hours at 20˚C
hardness	1 day
Fully cured	7 days
VOC content:	Max. 250 g/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.)	NF-T-1 (-)	NF-T-1(-)
Spray setting		
Pump ratio minimum	30:1	
Tip size	0.017”–0.019”	
Tip pressure	150 bar/2500 Psi	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	NF-T-1	
Indicated film thickness, dry	80 microns	
Indicated film thickness, wet	100 microns	

NIFOPOXIL
NF-143-FC
Curing Agent: NF-143-FC-CA

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)
Nifopoxil comp A	14	20
Nifopoxil comp B	5.6	10

Mixing

Mixing ratio (by weight)	Nifopoxil comp A 100	Nifopoxil comp B 40
Pot life	2 hours at 20˚C	

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 keep tightly closed. Handle with care.

Shelf-life

Nifopoxil comp A	12 month(s)
Nifopoxil 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 type top coat Such as NF-133-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 200-300 microns.

Thinning The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner NF-T-1 is recommended in general.

Recoating/Drying/ Curing Time

Physical data versus temperatures:

		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Surface temperature					
Dry to touch approx.		10 hours	8 hours	6 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	15 days	12 days	7 months	5 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