



Description

Nilifam-114-GF is a two component, high solid glass flake pigmented polyamine cured epoxy paint with good wetting properties and low water permeability. It is self-priming and forms a hard and tough coating which has good resistance against abrasion and impact as well to sea water, mineral oil, aliphatic hydrocarbons and splashes from petrol jet fuel. **Nilifam-114-GF** has very good adhesion and chemical resistance.

Recommended use

Adhesion	Excellent to primed surfaces.
Corrosion resistance	Excellent on correctly primed surfaces.
Temperature resistance	Dry: Maximum 140°C. At service temperatures above 120°C/248°F, slight discoloration may be expected

Physical constants

Colours/shade	RAL NO
Finish:	Gloss
Volume solids, %:	82±5
Theoretical spreading rate:	1.3 m ² /lit 500 Mic.
Flash point:	25°C
Specific gravity	1.70±0.15 kg/l
Dry to touch:	Max.1 hour at 20°C
(Initial) hardness:	24 hours
Fully cured:	7 days
VOC content:	Max. 250 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.)	NF-T-1 (10-20%)	NF-T-1 (5%)
Spray setting		
Pump ratio minimum	30:1	
Tip size	0.045"-0.048"	
Tip pressure	250 bar/3600 Psi	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	NF-T-1	
Indicated film thickness, dry	82 microns	
Indicated film thickness, wet	100 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)
Niflak comp A	20	20
Niflak comp B	3.2	4

Mixing	Mixing ratio (by weight)	Niflak comp A	Niflak comp B
		100	16
	Pot life	3 hours (20°C/ 68°F)	

Storage & handling

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

Shelf-life

Niflak comp A	12 month(s)
Niflak 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 Holding Primer such as NF-114-M4

Subsequent Coat Epoxy Top-coat such as NF-134-GF

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 450-500 microns 18-20 mils

Thinning The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner 1051 is recommended in general.

Recoating/Drying/ Curing Time Recoating intervals related to later conditions of temperature: (500 micron/20 mils dry film thickness of NF 52158)
 Physical data versus temperatures:

Surface temperature	5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F	
Dry to touch approx.	12 hours	6 hours	3 hours	2 hours.	
Resist condensing humidity/ light showers after	4 days	2 days	48 hours	24 hours	
Fully cured	20 days	14 days	15 days	10 days	
Recoating interval with epoxy intermediate	Min	24 hours	16 hours	8 hours	4 hours
	Max	None	None	None	None



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

