



Description

Nilifam-114-M1075 is designed for use as a high-performance zinc rich primer based on epoxy and polyamide resins and zinc dust as inhibitive pigments with an excellent anticorrosive efficiency and cathodic protection in damaged area in moderate to severe environment.

Nilifam-114-M1075 can be applied as an anti-corrosion primer on blasted steel structure

Recommended use

Adhesion	Excellent to both grit blasted and manually prepared surfaces (5B).
Corrosion resistance	Excellent on correctly prepared surfaces.
Temperature resistance	Dry: Maximum 160°C Wet: Maximum 50°C
Zinc content in dry film-%	78-82%
Salt spray ASTM B117	500 hrs. in single layer 1000 hrs. in system

Physical constants

Colours/shade	Metal Grey/7001 RAL
Finish:	Flat/Matt
Volume solids, %:	55±5
Theoretical spreading rate:	13.4 m ² /l - 50 Mic.
Flash point:	30°C
Specific gravity:	2.90±0.15 kg/l
Dry to touch: (Initial)	Max.1 hour at 20°C
hardness:	7 days
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	40:1	
Tip size	021"	
Tip pressure	170 bar/2500 Psi	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	NF-T-1	
Indicated film thickness, dry	55 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)
Richopoxz comp A	30	20
Richopoxz comp B	3	2

Mixing

Mixing ratio (by weight)	Richopoxz comp A	Richopoxz comp B
	100	10
Pot life	4 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

Richopoxz comp A	12 month(s)
Richopoxz 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	None.
Subsequent Coat	Epoxy intermediate and Epoxy top coat NF-124 or NF-134.
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 50-75 microns/ 2-3 mils.
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:

Surface temperature	5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F	
Dry to touch approx.	4 hours	2 hours	1 hours	40 min.	
Resist condensing humidity/ light showers after	2 days	1 days	7 hours	5.5 hours	
Fully cured	20 days	14 days	7 days	5 days	
Recoating interval with epoxy intermediate	Min	12 hours	8 hours	6 hours	3 hours
	Max	None	None	6 months	90 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

