



Description

Nilifam-113-CT is a high-build, modified, two-component coal tar epoxy polyamine paint, which cures to a coating with highly resistance to seawater, splashes of mineral oils, limited resistance to a number of aliphatic hydrocarbons, and good resistance to abrasion and impact.

Nilifam-113-CT As a self-priming coating for long term protection of steel and concrete in severely corrosive environment like emersion and buried structures and crude oil tank lining.

Recommended use

Adhesion	Excellent to both primed & grit blasted and manually prepared steel surfaces.
Corrosion resistance	Excellent on correctly prepared steel surfaces and primed surfaces
Temperature resistance	Dry: Maximum 90°C Wet: Maximum 45°C

Physical constants

Colours/shade:	Black	Brown
Finish:	Semi Flat	Semi Flat
Volume solids, %:	70±5	70±5
Theoretical spreading rate:	5.5 m ² /lit-100 Mic.	5 m ² /lit-100 Mic.
Flash point:	26 °C	26 °C
Specific gravity:	1.4±0.15 Kg/l	1.4±0.15 Kg/l
Dry to touch		
(Initial) hardness	3-4 hours	3-4 hours
Fully cured	7 hours	7 hours
VOC content	7 days	7 days

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 (10-30%)	NF-T-1 (5%)
Spray setting		
Pump ratio minimum	48:1	
Tip size	0.017"–0.019"	
Tip pressure	150 bar/2200 Psi	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	NF-T-1	
Indicated film thickness, dry	70 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)
Nilcotar comp A	18	20
Nilcotar comp B	3.6	4

Mixing

Mixing ratio (by weight)	Nilcotar comp A	Nilcotar comp B
	100	20
Pot life	4 hours (20°C/68°F)	

Shelf-life

Nilcotar comp A	12 month(s)
Nilcotar 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	Coal tar epoxy NF-123-CT or NF-133-CT
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 100-150 microns/4-6 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	Recoating intervals related to later conditions of temperature: (125 micron/5 mils dry film thickness of NF-113-CT) 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.	24 hours	12 hours	4 hours	2.5 hours.	
Resist condensing humidity/ light showers after	4 days	2 days	7 hours	6 hours	
Fully cured	20 days	14 days	7 days	5 days	
Recoating interval with epoxy intermediate	Min	30 hours	16 hours	8 hours	3 hours
	Max	7 days	4 days	2 days	36 hours



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

