Description

Nilifam-232-MT is a two-component, semi-flat acrylic polyurethane coating with good gloss and color retention.
Nilifam-232-MT As a finishing coat for protection of structural steel in severely corrosive atmospheric environment, where light-fastness and gloss retention are required. Minimum temperature for curing is 10°C/14°F.

Recommended use

Adhesion	Excellent to primed surfaces.
Corrosion resistance	Excellent on correctly prepared and primed steel surfaces
Temperature resistance	Dry: Maximum 120°C. At service temperatures above 100°C/212°F, slight discoloration may be expected.

Physical constants

Colours/shade:	RAL NO
Finish:	Semi Flat/Matt
Volume solids, %:	60±5
Theoretical spreading rate:	13.75 m²/lit 40 Mic.
Flash point:	32°C
Specific gravity	1.60±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-2 (10-30%)	NF-T-2 (5%)
Spray setting		
Pump ratio minimum	30:1	
Tip size	0.017”-0.019”	
Tip pressure	150 bar/2100 Psi	

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools	NF-T-2
Indicated film thickness, dry	60 microns
Indicated film thickness, wet	100 microns

NIPOL
NF-232-MT
Curing Agent:NF-232-MT-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)
Nipol comp A	25	20
Nipol comp B	1.0	1

Mixing

Mixing ratio (by weight)	Nipol comp A	Nipol comp B
	100	4
Pot life	6 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 keep tightly closed. Handle with care.

Shelf-life

Nipol comp A	12 month(s)
Nipol 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 Mid coat such as NF-124 and Epoxy Primer such as NF-114.

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 40-60 microns/ 1.6–2 mils.

Thinning The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner NF-T-2 is recommended in general

Recoating/Drying/ Curing Time Recoating intervals related to later conditions of temperature:
(40 micron/1.6 mils dry film thickness)
Physical data versus temperatures:

Surface temperature		-10°C/14°F	0°C/32°F	10°C/50°F	20°C/68°F	30°C/80°F
Dry to touch approx.		3 days	36 hours	16 hours	6 hours	4 hours
Resist condensing humidity/ light showers after		7 days	3 days	32 hours	16 hours	12 hours
Fully cured		2 months	32 days	14 days	7 days	5 days
Recoating interval	Min	6 days	3 days	32 hours	16 hours	12 hours
	Max	None	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