



Description

Nilifam-BIT is a high-build, modified, one-component 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-BIT 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 120°C Wet: Maximum 55°C

Physical constants

Colours/shade:	Black/Brown
Finish:	Semi Flat
Volume solids, %:	65±5
Theoretical spreading rate:	5.5 m ² /lit-100 Mic.
Flash point:	29 °C
Specific gravity:	1.40±0.15 Kg/l
Dry to touch:	Max. 2 hours at 20°C
(Initial)	
Hardness:	7 hours
Fully cured:	7 days
VOC content:	Max. 280 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-7 (15-30%)	NF-T-7(10%)
Spray setting		
Pump ratio minimum	38:1	
Tip size	0.023"-0.025"	
Tip pressure	200 bar/2900 Psi	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	NF-T-7	
Indicated film thickness, dry	65 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)
Bitonil	20	20

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

Bitonil	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	NF-BIT
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-7 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-BIT)

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 bitumen 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

