

## Description

**Nilifam 144** is a two component epoxy sealer base on epoxy a polyamide resins with an excellent sealing on concrete and steel surface.

## Recommended use

Excellent to primed surfaces.  
Excellent on correctly primed surfaces.  
Dry: Maximum 80°C Wet : Maximum 50°C

## Physical Properties

Colors	Clear
Finish	Glossy
Solid by Volume-%	35
Theoretical spreading rate	7 m <sup>2</sup> /lit 50 Mic. 295 sq.ft./US gallon
Flash point	36°C
Specific gravity	1.1 kg/lit
V.O.C.	Max. 684 gr/lit
Shelf life	1 Years (25°C/77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

## Mixing

Mixing ratio (by weight)	Component A NF-144 <b>2.6</b>	Component B NF-144-CA <b>1</b>
Pot life	8 hours (20°C/ 68°F)	

## 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 sprays	Brush (touch-up)
Thinner (max. vol.)	NF-T-1 (5%)	NF-T-1 (5%)
Spray setting		
Pump ratio minimum	30:1	
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	35 microns	
Indicated film thickness, wet	100 microns	

## Drying and curing time at (20°C)

Dry to touch	Max.6 hour
Hard dry	8-16 hours
Full curing	7 days
Recoat interval, min	8 hours
Recoat interval, max	7 days , see REMARKS

## Application and Curing Condition

**Primed surfaces** The surface must be completely clean and dry at the time of application, and its temperature must be above the dew point to avoid condensation. Minimum temperature for curing is 10°C/50°F. High humidity and/or condensation during application and the following 16 hours (20°C/68°F) may adversely affect the film formation. In confined spaces provide adequate ventilation during application and drying.

## Remarks

**Preceding Coat** None.

**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 25-40 microns<sup>1</sup> – 1.6 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 and drying/curing time** Recoating intervals related to later conditions of temperature: (50 micron/2 mils dry film thickness of NF-134)

Physical data versus temperatures:					
Surface temperature		5C/41F	10C/50F	20C/68F	30C/86F
Dry to touch approx.		16 hours	10 hours	6 hours	3 hours
Resist condensing humidity/ light showers after		4 days	2 days	24 hours	12 hours
Fully cured		20 days	14 days	7 days	5 days
Recoating interval with epoxy and polyurethane top coats	Min	24 hours	16 hours	8 hours	4 hours
	Max	15 days	12 days	7 days	5 days

A completely clean surface is mandatory to ensure inter coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.

Salts should be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

## 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.