



## Description

**Nilifam-116** is designed for use as a semi flat primer based on epoxy and phenolic resins and inert pigments with an excellent barrier efficiency in moderate and in door environment. **Nilifam-116** very good adhesion and high temperature water and chemical resistance (sulfuric acid 92-98%).

## Recommended use

<b>Adhesion</b>	Excellent to blasted surfaces.
<b>Corrosion resistance</b>	Excellent on correctly prepared surfaces.
<b>Temperature resistance</b>	Dry: Maximum 160°C. At service temperatures above 100°C/212°F, slight discoloration may be expected

## Physical constants

<b>Colours/shade:</b>	RAL NO
<b>Finish:</b>	Semi Flat
<b>Volume solids, %:</b>	65±5
<b>Theoretical spreading rate:</b>	6.5 m <sup>2</sup> /lit - 100 Mic.
<b>Flash point:</b>	30°C
<b>Specific gravity:</b>	1.50±0.15 kg/l
<b>Dry to touch:</b>	3-4 hours at 20°C
<b>(Initial) hardness:</b>	1 day
<b>Fully cured:</b>	7 days
<b>VOC content:</b>	Max. 250 gr/l

## Application details

<b>Conditions</b>	Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point.	
<b>Method</b>	Airless spray	Brush (touch-up)
<b>Thinner (max. vol.)</b>	NF-T-1 (10-30%)	NF-T-1 (5%)
<b>Spray setting</b>		
<b>Pump ratio minimum</b>	30:1	
<b>Tip size</b>	0.017"-0.019"	
<b>Tip pressure</b>	150 bar/2200 Psi	
	(Airless spray data are indicative and subject to adjustment)	
<b>Cleaning of tools</b>	NF-T-1	
<b>Indicated film thickness, dry</b>	65 microns	
<b>Indicated film thickness, wet</b>	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)
Nifolic comp A	20	20
Nifolic comp B	1.6	2

### Mixing

Mixing ratio (by weight)	Nifolic comp A	Nifolic comp B
	100	8
Pot life	4 hours at 20°C	

### 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

Nifolic comp A	12 month(s)
Nifolic 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** NF-126 or NF-136

**Film thickness** May be specified in another film thickness than indicated depending on purpose and area of use.

**Thinning**

**Recoating/Drying/  
Curing Time**

This will alter spreading rate and may influence drying time and recoating intervals. Normal range is 100-200 microns 4-8 mils  
The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate.  
Thinner 1051 is recommended in general

Recoating intervals related to later conditions of temperature:  
(100 micron/4 mils dry film thickness of NF-123)

Physical data versus temperatures:

Surface temperature	10°C/50°F	20°C/68°F	30°C/86°F	40°C/104°F	
Dry to touch approx.	10 hours	6 hours	5 hours	3 hours.	
Resist condensing humidity/ light showers after	1 day	7 hours	5.5 hours	5 hours	
Fully cured	14 days	7 days	5 days	5 days	
Recoating interval with epoxy intermediate	Min	20 hours	16 hours	10 hours	8 hours
	Max	12 days	7 days	20 days	1 month



### 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

