

# SLIP OF POLYURETHANE NF-232-FC

Curing Agent: NF-232-FC-CA

## Description

**Nilifam 232-FC** is a high-build, modified two-component polyurethane paint, which cures to coating with good resistance to fading, rendering and to abrasion and impact.

**Nilifam 232-SF** As a topcoat with no maximum recoating interval in EPOXY/POLYURETHANE systems.

CURING AGENT NF-232-FC-CA, ISO,isocyanate, is typically for use above 5°C/41°F.

## Recommended use

Excellent to both primed & grit blasted and manually prepared steel surfaces (4A).  
Excellent on correctly prepared steel surfaces and primed surfaces.

Dry: Maximum 120°C

## physical Properties

|                            |  |
|----------------------------|--|
| Colours                    | Grey /RAL No   |
| Finish                     | Flat   |
| Solid by Volume-%          | 95±2   |
| Theoretical spreading rate | 0.95 m <sup>2</sup> /lit-1000 Mic<br>39.9 sq.ft./US gallon-2 mils  |
| Flash point                | 28°C/83°F  |
| Specific gravity           | 1.75 kg/lit-16.9 lbs/US gallon   |
| V.O.C.                     | Max. 60 gr/lit   |
| Shelf life                 | 1 Year (25°C / 77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. |

## Application Details

|                          |                                      |                                      |
|--------------------------|--------------------------------------|--------------------------------------|
| Mixing ratio (by weight) | Component A NF-133-SF<br><b>6.25</b> | Component B NF-133-SF-CA<br><b>1</b> |
| Pot life                 | 5 hours (20°C/ 68°F)                 |                                      |

|                               |  |                  |
|-------------------------------|--|------------------|
| 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.)           | -  | -                |
| Spray setting                 |  |                  |
| Pump ratio minimum            | 40:1   |                  |
| Tip size                      | 0.021"—0.019"  |                  |
| Tip pressure                  | 150 bar/2100 Psi   |                  |
| Cleaning of tools             | -  |                  |
| Indicated film thickness, dry | 950 micron   |                  |
| Indicated film thickness, wet | 1000 micron  |                  |

## Drying and Curing Times At (20°C)

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|                             |                      |
|-----------------------------|----------------------|
| <b>Dry to touch</b>         | 4 hours              |
| <b>Hard dry</b>             | 1 day                |
| <b>Full curing</b>          | 7 days               |
| <b>Recoat interval, Min</b> | 8 hours              |
| <b>Recoat interval, Max</b> | 14 days, see REMARKS |

## Surface Preparation

|                        |  |
|------------------------|--|
| <b>New steel</b>       | 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 at least 3°C above the dew point to avoid condensation. |
| <b>Primed surfaces</b> | The surface should be stable, firm, dry and free of dust, sand, loose old paint, dirt, grease and oil. It is recommended to apply mid coat before exceeding maximum interval of primer.  |

## Remarks

**Preceding Coat** -----

**Subsequent Coat** -----

**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 50-125 microns/ 2-5 mils.

**Thinning** Don't use thinner.  
**Recoating and Drying/Curing time** Recoating intervals related to later conditions of temperature:  
(75 micron/3 mils dry film thickness)

| 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.  |     | 16 hours | 8 hours   | 4 hours   | 3 hours   |
| Resist condensing humidity/<br>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<br>polyurethane top coats | Min | 24 hours | 16 hours  | 8 hours   | 4 hours   |
|   | Max | 60 days  | 30 days   | 14 days   | 10 days   |

A completely clean surface is mandatory to ensure intercoat 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.