



Technical Data Sheet

NM Stålprimer 270

Utg: 1996-02-28

Ers: 2015-03-10

Rev: 2021-10-25

General Description

NM Stålprimer is an epoxy primer containing rust inhibitors and grease dissolving solvents.

In qualified rust-proof treatment it is very important that the primer has good adhesion to the substrate. NM Stålprimer 270 is designed to optimize adhesion to steel and aluminium.

Processing Instructions

A newly grit-blasted steel surface is generally a good substrate, but within a few minutes the iron is attacked by moisture and air pollutions. This thin layer of iron salts will affect the adhesion of a solvent-free epoxy system in a negative way.

Oil or grease originating from compressor Air or skin contact etc. will contaminate the surface. This thin layer of oil or grease will affect the adhesion. To obtain good adhesion the primer has to contain a solvent that can dissolve oil and grease and transport the contaminations into the primer.

A newly sanded aluminum surface immediately reacts with the oxygen in the air and creates a surface of aluminum oxide. To obtain optimal adhesion it may be necessary to "hone in" NM Stålprimer 270, with e.g. a wet sandpaper 180 grit.

Application

NM Stålprimer is applied with a roller or a brush. In tight or closed spaces a fresh air mask may be necessary. Take in to consideration the hygienic limits for Xylene.

Typical Properties

Resin NM Stålprimer 270

Hardener NM Härdare 271

Mixing ratio

Resin – Hardener 100 – 20 by weight

Density: 1290 kg/m³

Viscosity: 0.5 Pa·s

Dry content: 92%

Adhesion to grit blasted
steel plate:

>8.5 MPa

Pot life 100g 20°C: 45 minutes

Minimum curing temp: +5 °C

Colour: Grey

Consumption: about 0.1 kg/m²

Packaging sizes 0.54 kg

5.40 kg

Cleaning solvent: Acetone

Note

Quality assurance:

In order to assure the quality of application, we have a form where important information is documented. The form is available from Nils Malmgren AB, telephone +46 303 936 10

Disclaimer

This product's technical specifications are developed by experience in field and laboratory by us.

Fully cured will take place at seven days at +23°C and 50 % RF.

We reserve the right to change products as well as data. Current data sheets are available at our website and with us. We cannot assume responsibility for use in areas that we do not know. The user shall always evaluate products for their intended use and we guarantee only the material properties. For every product we offer reference objects separately.