



Technical Data Sheet

NM Golv 50 Super



Utg: 1994-09-19

Ers: 2021-10-25

Rev: 2022-11-30

General Description

NM Golv 50 Super is a water dispersion based epoxy floor coating, especially designed for floors exposed for pedestrians and light traffic under wet and bad conditions. The adhesion is extremely high to concrete and ceramics. The long-time properties are well known, as the product has been on the market since 1971. Approved to EN 13813.

Processing Instructions

NM Golv 50 Super is not a diffusion barrier, and can be used on floors where moisture can occur.

For instance floors exposed to pedestrians and light traffic under wet conditions for ex. warehouses, stores, light industry, hospitals, slaughterhouses and also coating of swimming pools, wall and floor tiles.

Surface Preparation

Concrete surfaces must be at least 14 days old. Remove oil, grease and wax contaminants by scrubbing with industrial grade detergent or degreasing agents followed by mechanical cleaning. Cement laitance, loose particles, mould release agents, curing membrane and other contaminants must be removed from the surface by shot-blasting, scarifying or grit-blasting followed by vacuum cleaning.

After pre-treatments, the surface tensile strength must be at least 1.5 MPa (check with an approved pull-off tester).


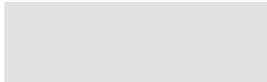






Application

Apply first coat as primer. A minimum of two coats of **NM Golv 50 Super** must be applied after that.

The system can be done with non-slip finish or coloured flakes.

For a full description, see **NM Work Description NM Golv 50 Super**.

Standard colours

	37 NCS S1040 B10G		17 NCS S3502 B
	20 NCS S2050 Y20R		16 NCS S6030 G30Y
	19 NCS S5040 Y80R		15 NCS S4030 G30Y
	18 NCS S4502 B		14 NCS S3010 G90Y

The stated NCS code is the approximate translation from NM's standard colors.

Chemical resistance

For a complete list, contact Nils Malmgren AB or visit our home site, www.nilsmalmgren.se

Key

- Not recommended
- + Short use
- ++ No problems

Petrol	++
Ethanol, 50 %	++
Motor oil	++
Sodium hydroxide, 10 %	++
Hydrochloric acid, 10 %	++
Water	++

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Typical Properties

Resin NM Golv 50 Super + colour index
Hardener NM Härdare 50

Mixing ratio

Resin – Hardener 100 - 125 by weight
If 4.7 kg of resin 100 - 106 by weight

Density: 1140 kg/m³

Viscosity: 1 Pa·s

Dry content: 57%

Potlife 100g 20°C: 45 minutes

Compressive strength: 70 MPa

Tensile strength: 28 MPa

Flexural strength: 38 MPa

E-modulus: 8 GPa

Wear resistance: AR0.5

Bond strength: B2.0

Impact resistance: IR1

Coefficient of thermal

expansion: $38 \cdot 10^{-6}$ cm/cm·°C

Water vapour diffusion

by 200µ layer: $48.5 \cdot 10^4$ s/m ($S_d=12.9m$)

TVOC: <10µg / (m²·h) 4 v
<10µg / (m²·h) 26 v

Water penetration under pressure: SS-EN 14891 A.7.
No penetration.

Chemical resistance: See nilsmalmgren.com

Reaction to fire classification: B_{fl}-sl.

Application and curing temperature: Min. +10°C
Max. +35°C

Consumption: Max 225g/m² & layer
(2 layers are recommended)

Normal packing: 4 + 5 = 9 kg
(Otherwise: 4.7 + 5 = 9.7 kg)

Cleaning solvent: Water

Store free from frost.

Curing

	10°C	20°C
Light pedestrians	24 h	14 h
Full traffic	4 days	2 days
Fully cured	14 days	7 days

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

Declaration of performance:

Can be obtained for this product. See our website or contact Nils Malmgren AB.

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.

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