



Technical Data Sheet

NM Golv 100



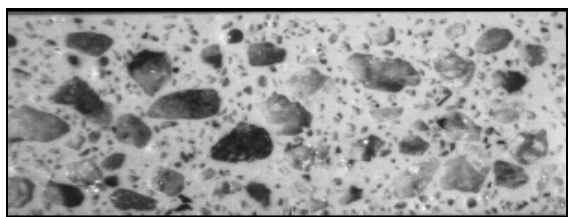
Utg: 1996-09-25

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Rev: 2021-10-25

General Description

NM Golv 100 is a self-levelling, solvent free, coloured epoxy floor coating. **NM Golv 100** contains quartz sand in carefully selected sizes from 0 to 1 mm. The sand does not settle during cure. That gives excellent properties through the coating, both mechanically and thermally. **NM Golv 100** has high impact resistance, a great wear resistance and can withstand most industrial chemicals for longer periods. Approved by EN 13813.



Section of a 3 mm layer of NM Golv 100 UP floor coating

Processing Instructions

NM Golv 100 is applied with a trowel or **NM Elite Applicator** in 3-5 mm layer. If air bubbles still to be found at 30 – 40 minutes after levelling, pass over a number of times with a spiked roller.

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).


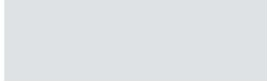




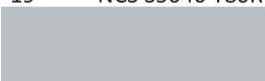
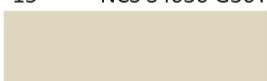
Application

Apply **NM Grundering BP 50 Super** or **NM Grundering 560** as primer. After that should the surface be levelled and all damages repaired. Then apply **NM Golv 100** in the desired thickness.

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

For a full description, see **NM Work Description NM Golv 100**.

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.

We can in addition to these standard colors offer a wide range of RAL and NCS colors. We can also produce colors based on customer's samples.

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 100 + colour index
Hardener NM Härdare 45

Mixing ratio

Resin – Hardener 100-11 by weight

Density: 1750 kg/m³

Dry content: 100%

Potlife 100g 20°C: 45 minutes

Compressive strength: 80 MPa

Tensile strength: 16 MPa

Flexural strength: 40 MPa

E-modulus: 6 GPa

Wear resistance: RWA1

Bond strength: B2.0

Impact resistance: IR25

Application and curing temperature: Min. +12°C (54°F)
Max. +35°C (95°F)

VOC: 58g/l

VOC-category: j

VOC limit: 550g/l

Consumption: 5,25 – 8,75 kg/m²

Normal packing: 23,0 kg

Chemical resistance: Good. See our home page for details.

Cleaning solvent: Acetone

Curing

	12°C /54°F	20°C/68°F
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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