



# Technical Data Sheet

## NM Golv 100 US

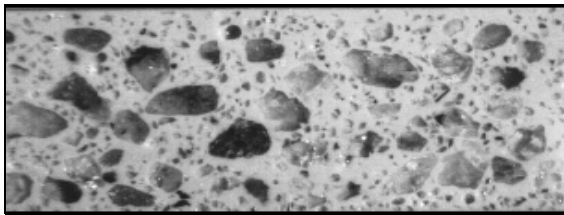
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### General Description

**NM Golv 100 US** is a self-leveling, solvent free, coloured epoxy floor coating. **NM Golv 100 US** contains quartz sand in carefully selected sizes from 0 to 0.6 mm. The sand does not settle during cure. That gives excellent properties through the coating, both mechanically and thermally. **NM Golv 100 US** has high impact resistance, a great wear resistance and can withstand most industrial chemicals for longer periods.



Section of NM Golv 100 US floor coating

### Processing Instructions

**NM Golv 100 US** is applied with a trowel or **NM Elite Applicator** in 2-3 mm layer. If air bubbles still to be found at 30 – 40 minutes after leveling, 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 leveled and all damages repaired. Then apply **NM Golv 100 US** in the desired thickness.

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

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

### Standard colours

	37 NCS S1040 B10G		17 NCS S3502 B
	20 NCS S2050 Y20R		16 NCS S60300 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](http://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 US + colour index  
**Hardener** NM Härdare 45 UP

### Mixing ratio

Resin – Hardener 100-11 by weight

*Density:* 1750 kg/m<sup>3</sup>

*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

*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:* 3.5 – 5.5 kg/m<sup>2</sup>

*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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