



NM E 600 Epoxy Concrete is a four-part, solvent-free epoxy resin flooring material.

NM E 600 Epoxy Concrete is used to provide high strength, thin-bed wearing courses to trucking lanes, loading bays, dock roads, airport freight areas and heavy duty floorings situations generally, including nosings. It may also be used for filling pot-holes on heavy duty floors and roadways.

NM E 600 Epoxy Concrete does not shrink, and is of high compressive strength. It is resistant to a wide range of chemicals, and is impervious to water when correctly applied.

All surfaces to be free from oil or other contaminants, loosely adhering materials and dust. The cleaned surface should be blasted or grinded before priming.

Useable primers are NM BP50 S or NM E 600 Epoxy Concrete without sandaggregate.

A standard concrete mixer can be used for the mixing of aggregate into the premixed resin and hardener. NM E 600 Epoxy Concrete should be spread compacted and levelled to the required thickness using a rigid straight edge and finished using a steel trowel or a helicopter. Minimum thickness is 10 mm. For layers over 25 mm, 30% of addition aggregate in proper size shall be added.

Typical applications

- Trucking lanes, loading bays, dock roads and heavy duty flooring situations generally, including nosings.
- Repairs of existing constructions.
- Incapsulation of reinforcement bars
- Reinforcements
- Laying falls

Typical properties

Resin:

NM Betong E600

Hardener:

NM Härdare 600

Mixing ratio:

9 kg E600 + 3 kg H600 + 60 kg aggregate 0-3 mm

<i>Density:</i>	1980 kg/m ³
<i>Viscosity without sand:</i>	700 mPa·s
<i>Potlife 100g 20°C:</i>	40 minutes
<i>Compressive strength:</i>	78.5 MPa
<i>Tensile strength:</i>	10 MPa
<i>Flexural strength:</i>	24.5 MPa
<i>E-modulus:</i>	13 GPa
<i>Thermal expansion coefficient:</i>	30·10 ⁻⁶ cm/cm·°C
<i>Chemical resistance:</i>	see table
<i>Colour:</i>	Sandcolour
<i>Consumption:</i>	1 litre/m ² and mm
<i>Normal packing:</i>	9.0 + 3.0 + 1 x 30 + 1 x 30 = 72 kg ≈ 37 litres
<i>Cleaning solvent:</i>	Acetone

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