



NM 400 Elite is an epoxy resin system for decorative heavy duty floors. It consists of resin, hardener and a special filler. The three components forms a self levelling slurry. The slurry should be applied with NM Elite Applicator or with a leveling rake.

When the slurry is applied it should be sprinkled with coloured or natural sand to full saturation. On the following day the surplus aggregate should be removed, and the surface should then be sealed with NM 400 Elite without addition of NM400 Filler.

As an alternative, NM Lacquer 415 can be used for a maximum of yellowing resistance.

NM 400 Elite provides a jointless flooring which has a very good resistance to a wide range of chemicals. It is abrasion resistant and provides a hygienic, skid-proof and attractive surface which is easy cleaned.

Substrates that are to be treated with NM 400 Elite, should be sound, free from oil or other contaminants, loosely adhering materials and dust. Concrete should have a surface strength of min. 1.5 MPa. The cleaned surface should be blasted or grinded and primed with NM BP50 S Water Dispersible Epoxy Primer

Typical applications

- Flooring in restaurants, hospital kitchens, warehouses with heavy stressed floors, chemical- and pharmaceutical industries, laboratories, abbatoirs, bakeries, show-rooms etc.

NM 400 Elite without filler could be used as top laquer.

Typical properties

Resin:

NM Golv 400 Elit

Hardener:

NM Härdare 400

Filler:

NM Filler 400

Mixing ratio:

Resin-Hardener-Filler 100-40-110 by weight

Density: 1190 kg/m³

Potlife 100g 20°C: 45 min

Viscosity at 25°C: ~0.4 Pa·s

Compressive strength: 80 MPa

Flexural strenght: 40 MPa

Tensile strength: 14 MPa

E-modulus: ~7 GPa

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

Consumption:

3 mm floor: 1.7 - 2.0 kg/m²

4 mm floor: 2.0 - 2.3 kg/m²

The consumption is very much depended on the surface smoothness.

Chemical resistance: See table

Normal packing slurry: 10.0+4.0 +11.0 = 25.0 kg

Normal packing sealer: 10.0+4.0=14 kg

Cleaning solvent: Acetone

Strength values are based on use of natural quarts 0.4-0.8 mm. Other aggregates may give different values.

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