

NM ME 515 is a solvent free epoxy resin that can be used to produce different types of seamless floors like NM Solid 515.

NM Solid 515 is a power floated top loaded floor with a smooth structure. NM Solid 515 is built up by sprinkling coloured quartz aggregate into an applied mixture of NM ME 515 and filler. The filler is added to prevent dry spots and to fill out the volume between the quartz aggregate.

NM Solid 515 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. It is also relative good non-yellowing.

Power floated top loaded floor is not recommended were you can get high point loads. Those point loads can give crush damage due to "stone bridges" in the layer.

### Substrate preparation

Substrates that are to be treated with NM ME 515 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 ground and primed with NM BP50 S Water Dispersible Epoxy Primer. The primer should be sprinkled with about 100 gram sand (0.4 -0.8 mm) / m<sup>2</sup>.

NM ME 515 without filler may be used as top-sealing.

### Typical applications

- Flooring in industries and warehouses where there is high stress on the floors ex. Work-shops, assembly shops, hangars, bakeries, chemical industry floors etc.

### Typical properties

**Resin:**

NM ME 515

**Hardener:**

NM Härdare 460

**Mixing ratio:**

Resin-Hardener 100-45 by weight

*Density:* 1084 kg/m<sup>3</sup>

*Viscosity:* ~0.4 Pa·s

*Potlife 100g 20°C:* 40 min

**The following values are for NM Solid 515**

*Compressive strength:* 65 MPa

*Flexural strength:* 32 MPa

*Tensile strength:* 15 MPa

*E-modulus:* 9 GPa

*Normal packing:* 10.0+4.5=14.5 kg

*Cleaning solvent:* Acetone

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



*Section of a 3 mm layer of NM Solid 515*

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