

### General description

NM ME 585 is a low viscosity, room temperature curing solvent free epoxy resin with all-round properties, i.e. modeling and production of moulds.

NM ME 585 can be used for laminating as well as adhesive. It can be filled with sand or aluminium powder for backing. NM ME 585 has a friendly environment profile, and contains no unreactive products labeled as hazardous to the environment.

NM ME 585 has a quite long pot life, and produce very little heat build-up. It can be accelerated up to 10% with NM Accelerator 254. NM ME 585 can be thixotropated with NM Filler 51 for the use as adhesive. The wetting is good to most substrates.

### Typical applications:

- Producing of epoxy laminates
- Adhesive
- Reparation of damages to laminates
- Backing

### Typical properties

#### Resin:

NM ME 585

#### Hardener:

NM Härdare 586

#### Mixing ratio:

Resin-Hardener 100-44 by weight

Resin-Hardener 100-51.2 by volume

*Density:* 1114 kg/m<sup>3</sup>

*Viscosity at 25°C:* 650 mPa·s

*Potlife 100g 20°C:* 50 minutes

*Potlife 100g 20°C*

+ 10% Accelerator 254: 12 minutes

See also table.

*Compressive strength:* 105 MPa ISO R604

*Tensile strength:* 45 MPa ISO 527

*Flexural strength:* 106 MPa ISO 178

*Modulus of elasticity*<sub>[Flexural]</sub>: 3.1 GPa ISO 178

*HDT:* 45°C ISO 75<sub>Af</sub>

*Colour:* Transparent

*Normal packing:*

*Resin:* 25.0 kg, 200.0 kg

*Hardener:* 5.0 kg, 180.0 kg

*Cleaning solvent:* Acetone

% Accelerator 254	Potlife (Minutes)
0	50
1.0	44
2.0	37
3.0	33
4.0	28
5.0	24
6.0	21
7.0	18
8.0	16
9.0	14
10.0	12

*Potlife for NM ME 585 / NM Hardener 586 with different amounts of NM Accelerator 254. The values are for 100 gms of NM ME 585 / NM Hardener 586 with a initial temperature of 20°C. The percent adding is calculated as ex. 100 gms + 1 gm.*

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