

Epilox[®] - Hardener M 1142 (Epilox[®] - Härter M 1142)

Description

Epilox[®] - Hardener M 1142 is a modified polyamine adduct hardener for epoxy resins.
Epilox[®] - Hardener M 1142 doesn't contain nonylphenol.

Application

Epilox[®] - Hardener M 1142 is suitable for use in applications such as solvent-free floor coatings, epoxy mortars or protective coatings.

Data	
Viscosity at 25 °C [mPas] (DIN 53015)	40-80
NH-Equivalent Weight [g]	85
Amine Number [mg KOH/g] (DIN 16945)	330-370
Density at 20 °C [g/cm ³] (DIN 53217 T.4)	1.00 ± 0.02
Colour Number (Gardner) (DIN ISO 4630)	< 2

System Properties with Epilox[®] T 19-34/700 (Bisphenol A/F-Epoxy Resin, reactive diluted with difunctional reactive diluent. Epoxy Equivalent Weight: 165 to 180 g. Viscosity: 500 to 900 mPa·s at 25 °C.)

Mixing Ratio Resin: Hardener [pbw: pbw]	100: 50
Approximate Mixing Viscosity at 25 °C [mPas]	320
Pot Life (100 g Reaction Mixture, Initial Temperature 23 °C)	
40 °C after approx. [min]	25
Approx. Max. Temperature after approx. [°C/min]	190/45

System Properties with Epilox[®] A 19-03 (Bisphenol A-Epoxy Resin. Epoxy Equivalent Weight: 182 to 192 g. Viscosity: 10,000 to 14,000 mPa·s at 25 °C.)

Mixing Ratio Resin: Hardener [pbw: pbw]	100: 46
Pot Life (100 g Reaction Mixture, Initial Temperature 23 °C)	
40 °C after approx. [min]	25
Approx. Max. Temperature after approx. [°C/min]	185/45

pbw: pbw = parts by weight: parts by weight

LEUNA-Harze recommends to use Epilox[®]-epoxy resin systems at temperatures of at least +15 °C.

Packing/Storage/Transport

Epilox[®] - Hardener M 1142 is supplied in drums or containers. The product should be stored in closed containers at temperatures between +10 °C and +30 °C to protect it from moisture. Under these storage conditions Epilox[®] - Hardener M 1142 shows no change in quality even after prolonged storage time exceeding 12 months.

Safety Requirements

Please refer to the valid Material Safety Data Sheet as well as to the legal and recommended industrial hygiene regulations.

The information given in these data is based on the testing methods established by LEUNA-Harze GmbH and on the knowledge of the characteristics of Epilox[®] - products and is given in good faith. No liability is accepted by LEUNA-Harze GmbH for any system or application in which Epilox[®] - products are utilized.