

Epilox[®] Hardener M 1190 (Epilox[®] - Härter M 1190)

Description

Epilox[®] hardener M 1190 is a formulated polyaminoamide adduct hardener for epoxy resins. Epilox[®] hardener M 1190 doesn't contain nonylphenol.

Application

Epilox[®] hardener M 1190 is suitable for use in applications such as solvent-free primers, epoxy mortars or low solvent coatings. Good adhesion on critical (wet or humid) substrates.

Data	
Viscosity at 25 °C [mPa·s] (DIN 53015)	600-1300
Amine Hydrogen Equivalent Weight [g]	115
Amine Number [mg KOH/g] (DIN 16945)	270-310
Density at 20 °C [g/cm ³] (DIN 53217 T.4)	approx. 1.05
Colour Number (Gardner) (DIN ISO 4630)	< 10

System properties with Epilox [®] T 19-38/700 (Bisphenol A/F epoxy resin, diluted with mono-functional reactive diluent. Epoxy Equivalent Weight: 180 to 200 g. Viscosity: 500 to 900 mPa·s at 25 °C.)	
Mixing ratio resin : hardener [pbw : pbw]	100 : 60
Approximate mixing viscosity at 25 °C [mPa·s]	700
Pot life (100 g reaction mixture, initial temperature 23 °C)	
40 °C after approx. [min]	30
Approx. max. temperature after approx. [°C/min]	150/60

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 : 60
Pot life (100 g reaction mixture, initial temperature 23 °C)	
40 °C after approx. [min]	20
Approx. max. temperature after approx. [°C/min]	175/45

pbw : pbw = parts by weight : parts by weight

LEUNA-Harze recommends to use Epilox[®] epoxy resin systems with Epilox[®] hardener M 1190 at temperatures of at least +10 °C.

Packing/Storage/Transport

Epilox[®] hardener M 1190 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.

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.