

MORSUN POLYAMIDE 140 EPOXY CURING AGENT

PRODUCT CODE

MCS-HD-851

PRODUCT DESCRIPTION

Morsun's Polyamide 140 is a reactive polyamide hardener used for ambient temperature curing of Epoxy Resins in different applications in Civil Engineering and paint/coatings. Such Epoxy Systems can be solvent containing and solvent free

SUGGESTED USES

High build solventless coatings. Solvent containing coatings. Adhesives Lamination's Castings Potting Encapsulation and many more

TECHNICAL DATA

ADVANTAGES	Good chemical resistance High gloss Good resistant to amine blush. Good substrate wetting. Typical Properties
Appearance	Amber Liquid
NVM	96 Min
Amine Value	320 to 400
Flash point	>25 °C
Specific gravity	0.96 to 0.98
Suggested curative (by wt) (CE Application)	50 parts Polyamide with 100 parts RE-803
Recommended uses level (phr, EEW=190)	35-55
Recommended uses level (phr, EEW=450-500)	20 to 30
Thin film set time hours RE-803	6-8 hours (Touch dry-4 hours at 25 °C
Typical cure schedule	7 days at ambient temperature Pot life at 25 °C (100 pbw RE-803 & 50 pbw Polyamide 140 : 45 to 60 min. Epoxy Mortar may be prepared using 100 pbw (RE-803) + 50 pbw (Polyamide 140) + 400 – 500 pbw Quartz sand mix no. 10. This composition on 7 days cure at 25 °C should achieve following properties. Compressive strength – 600 to 900 kg/sq cm Flexural Strength – 400 to 500 kg/sq cm Split tensile strength - 100 to 120 kg/sq cm
Shelf life	12 months in sealed container stored at room temperature
Packing	200 & 20 kg
Precaution	Avoid inhalation. Take necessary precautions to avoid contact with skin or eyes. Ventilate the area during application

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