

TDS - Technical Data Sheet

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SP-306

Epoxy Curing Agent

SP-306 is a ultra clear modified polyamine curing agent for use with liquid epoxy resins to produce solvent free clear applications.

Typical Properties

Appearance	Clear, Liquid
Color (GARDNER)	1 max
Viscosity @ 25°C (mPas)	500 - 700
Density @ 25°C	1,02 g/ml
Amine Value mg KOH/g	300 - 350
AHEW	95

Typical Applications

- Top Coat Applications
- Ultra Clear Castings
- Self Leveling Floorings
- Metallic Floorings
- UV Resistance Applications
- Hard Surface Resistant
- High Mechanical Strength

Packing, Handling, Storage

This liquid epoxy curing agent is supplied in bulk or in 200 kg tight-head drums. Should be stored in dry conditions at a temperature between 15 and 35°C. Away from sources of heat. Lower temperature could bring increase in viscosity and haziness. Preferably in the original containers kept tightly closed, may absorb moisture and CO₂ if drums are not well closed. Under these conditions and at normal temperatures the storage life should be at least two years. Curing agents and epoxy resin must be mixed just before application.

Application Properties

Mixing Ratio	% 50 <i>with HYResin EPX200 Epoxy Resin EEW=190</i>
Gel Time @ 25°C	60 minutes <i>(for 200 gr mixing)</i>
Curing Time @ 25°C <i>(for 3 mm film thickness)</i>	12 - 18 hours - Touch Dry 36 - 48 hours - Mechanical Dry 7 days - Final Cure
Curing Time @ 20°C <i>(for 20 mm film thickness)</i>	8 - 10 hours - Touch Dry 18 - 24 hours - Mechanical Dry <i>(Unmolding Time)</i> 7 days - Final Cure
Hardness	86 Shore D <i>(after 7 days)</i> 65 Shore D <i>(after 1 days)</i>
Compressive Strength	95 N/mm ²
Tensile Strength	65 N/mm ²
Applicable Cast Thickness	20 mm <i>(layer at once)</i>

