



DEX-B101X90

Data sheet
Issue 04/23

DEX-B101X90

Epoxy hardener DEX-B101X90

Product data

Description

DEX-B101X90 is a unique cashew phenol modified phenolic amine curing agent, which is diluted by xylene to 90% solid content. The unique structure gives the curing agent and its derived coatings unique properties. The curing agent has the advantage of fast curing, especially suitable for use at low temperatures, and has good moisture resistance performance in the curing process, making it ideal for marine and industrial coatings.

Specification

Appearance	Reddish brown liquid
Color (Gardner)	≤ 17
Amine value (mgKOH/g)	265-310
Viscosity (25°C, cP ·s)	3000-4500
Density (25°C, kg/L)	0.97-0.99
Flash point (°C)	> 32
AHEW	144
Recommended PHR (Liquid resin, EEW=190) 70	60-85

Performance

- Fast curing and longer operation life under the normal and low temperature. It also play the role even temperature at 0°C.
- Wide construction blending ratio.
- Good chemical resistance.
- Good compatibility with multiple solvents and reins.
- Excellent corrosion resistance.
- Good adhesion even on the material surface with low surface treatment.
- Good moisture resistance in curing.

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Application Recommendation

DEX-B101X90 is suitable for medium and high solid contents coatings, like marine coatings with less requirements of surface treatments, industrial maintenance coatings and protective coatings. It can be even used on wet and poorly treated substrate surfaces in cold and wet conditions. Due to fast curing and high hardness, the product is quite suitable for the fields with short construction period. Its wide curing temperature range and loose blending ratio expands the application range for coatings.

Application properties

Formulation	1
Liquid epoxy resin (EEW =190)	100
DEX-B101X90	75
Gel time @25°C (min)	45-75
Thin film set times , 8 mils (200 micron)	
@25° C hrs dry to touch dry hard dry through)	4 / 7 / 9.5
@5°C hrs , dry to touch dry hard dry through)	9 / 19 / 32
@0°C hrs , dry to touch dry hard dry through)	14 / 35 / 45

Stability and Storage

PAA curing agent will absorb moisture and carbon dioxide when stored in open containers, which may result in increased viscosity, discoloration and reduction of reactivity. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place.

Expiration date

- 12 MONTH

Packing

- 200 KG NET IN IRON DRUM.

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