



DEX-A102

Data sheet
Issue 04/23

DEX-A102

Epoxy hardener DEX-A102

Product data

Description

DEX-A102 is a cardanol modified PAA modified epoxy resin curing agent with unique performance, suitable for solvent-free or high-solid epoxy primer systems. The curing agent and its derived coatings feature unique performance because of the unique structure of cardanol modified PAA. The curing agent has the advantage of fast curing, and is suitable for all seasons, especially under low temperature.

Specification

Appearance	Reddish brown liquid
Color (Gardner)	≤ 17
Amine value (mgKOH/g)	320-360
Viscosity (25°C, cP ·s)	500-1200
Density (25°C, kg/L)	0.97-1.00
Volatile (%)	≤ 4.5
Free amine (%)	≤2.0
Flash point (°C)	>104
AHEW	9
Recommended PHR (Liquid resin, EEW=190) 70	50-65

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.
- Solvent free.
- Based from natural renewable raw material.

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Application Recommendation

WB-A102 can be used in the construction machinery coating, concrete primer, epoxy floor coating, adhesive, etc. with high-solid or solvent-free, low surface treatment requirement. The product has excellent chemical resistance and can contact with drinking water, especially suitable for concrete or metal can lining and pipeline 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

Appearance	1
Liquid epoxy resin(EEW=190)	50
DEX-A102	25
Gel time@25°C(min)	40
Thin film set times, 8mils (200micron)	
@25°C(hrs, dry to touch/dry hard/dry through)	- / 10 / 15.5
@5°C(hrs, dry to touch/dry hard/dry through)	- / 22 / 23
@0°C(hrs, dry to touch/dry hard/dry through)	- / 32 / 45.5

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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