

Epoxi Joyeria "A"

Description

Is a blend of diglycidyl ether of bisphenol-A liquid epoxy resin, diglycidyl ether of bisphenol-F liquid epoxy resin and monofunctional reactive diluent. The blend greatly improves the crystallization resistance of this material as against the individual bisphenol-A or bisphenol-F based liquid epoxy resins. The reactive diluent in the blend helps in reducing the viscosity of the product so that it can be suitably formulated into high solids or even solvent free coatings and floor toppings. The reactive diluent in the blend also lowers surface tension of the product and increases pot life as well as flexibility of the system. This translates into better surface wetting, longer working time and improved toughness.

Is compatible with all common epoxy resins in all ratios.

Applications

- High solids and solvent free coatings
- Adhesives
- Solvent free self leveling flooring
- Other construction applications
- Marine and Industrial protective coatings

Specification

| Appearance | Visual | Clear, colourless to light yellow liquid |
|-------------------------|----------------|--|
| Colour | ASTM D 1544-04 | 0.5 G max. |
| Epoxy Equivalent weight | ASTM D 1652-04 | 190 — 200 g/eq |
| ViscoSity* 25 °C | ASTM D 2196-05 | 700 — 1,100 cP |

*Brookfield viscosity

Typical properties *

| | | |
|-----------------------|----------------|-------------|
| Epoxide Value | ASTM D 1652-04 | 5.00 — 5.26 |
| Density @25°C | ASTM D 1475-98 | 1.07 g/ml |
| Water content | ASTM E 203-01 | 0.1 % max. |
| Hydrolysable chlorine | ASTM D 1726-03 | 0.1 % max. |

| | | |
|----------------------|----------------|---------|
| Non-volatile content | ASTM D 1259-06 | 100 % |
| Flash point | ASTM D 93 | > 150°C |



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Packing

is packed and delivered in steel drums, 220 kg per drum as a standard pack.

Other packs are available upon request.

Storage

Resin should be stored in original tightly closed container, in dry and warm conditions to avoid crystallization. Under these conditions, it has a storage life of at least two years from the date of manufacturing.

May become hazy or crystallize upon long storage especially when exposed to low temperatures. The resin can be restored to its original condition by warming to 55-60°C while stirring.



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