

Razeen® SR 5072

Solid Epoxy Resin



General Razeen® SR 5072 is a solid unmodified epoxy resin based on Bisphenol A with a narrow molecular weight distribution.

Applications Razeen® SR 5072 is designed for use in high performance coatings systems.

- **Solvent-containing coatings:**

Razeen® SR 5072 combined with polyamines, polyamidoamines or their adducts can be used to formulate solvent-containing reactive coatings which can be used at room or elevated temperatures. Coatings of this type are highly suitable for application as adhesive, anti-corrosion or zinc dust primers, top coats or varnishes. The addition of Razeen® SR 5072 to alkyd/amino resin based stoving enamels enhances their quality.

- **Powder coatings:**

The addition of Razeen® SR 5072 to Type 3 or Type 4 resins (Razeen® SR 5013, SR 5004) improves the flow properties of the powder coatings systems.

Properties Razeen® SR 5072 is characterized by excellent batch-to-batch uniformity, good clarity and color, a narrow molecular weight distribution, and good solubility characteristics. Further more the formulated coatings are characterized by:

- Optimum flexibility
- High impact strength
- Good all round chemical and corrosion resistance
- Good adhesion to a variety of substrates, like metals and concrete.

Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner	1 max	ASTM D-1544
	Epoxy value	1.43 - 1.67 eq/Kg	ASTM D-1652
	Weight per epoxide	600 - 700 g/eq	ASTM D-1652
	Melt viscosity at 150 °C	600 - 1500 mPa.s	ASTM D-4440

Specific key data are individually checked throughout, guaranteed and included in certificate of analysis.

Typical Key Data	Property	Value	Test method
	Viscosity at 25 °C (77 °F)*	280 - 340 mPa.s	ISO 12058-1
	Softening point (Mettler)	82 - 90 °C	DIN 51920
	Density at 25 °C (77 °F)	1.19 g/cm ³	ISO 8130
	Flashpoint	≥ 200 °C	ISO 2592

**40% in butyl carbitol*

Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.

As-supplied form	Granulate
Odor	None
Shelf life (at storage temperature between 2-30°C (see expiry date on original container)	6 years
Hazardous decomposition products (When disposed in fire)	Carbon monoxide, Carbon dioxide and other toxic gases and vapors.
Disposal	Regular procedures approved by local authorities.

Package & Storage Razeen® SR 5072 is supplied in 25 Kg bags. This product has a minimum shelf life of 6 years when stored in a dry place at room temperature. If stored under warmer condition, sintering may occur.

Handling Precautions **Notice! Avoid dusty conditions.**
 Use with good ventilation.
 Avoid contact with eyes and skin.
 Avoid breathing dust.
 Wash after handling.
 Wash contaminated clothing before reuse.
Please read our Material Safety Data Sheet before using.

First Aid **In case of contact:**

Eyes	:	Promptly wash eyes with large amounts of water.
Skin	:	Wash with soap and water.
Inhalation	:	Remove to fresh air. Give oxygen if necessary.
Ingestion	:	Give water and get medical attention.

Note Razeen® is a registered trademark of JANA or an affiliate thereof.

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