

Razeen® SR 5071

Solid Epoxy Resin



General Razeen® SR 5071 is a solid epoxy resin designed for use in high performance protective and decorative coating systems.

Chemical Description Razeen® SR 5071 is a solid unmodified epoxy resin based on bisphenol A with narrow molecular weight distribution.

Applications

Maintenance coatings	Marine finishes
Tank linings	Floor finishes
Trade sales paints	Concrete coatings
Interior pipe coatings	

For air-dry applications, Razeen® SR 5071 can be cured with polyamines, amine adducts and polyamide hardeners in one-package heat cured coatings. Razeen® SR 5071 may be co-reacted with amino resins, phenolic resins, acrylic resins to provide a one-package, heat-cured system. The resin is characterized by excellent batch-to-batch uniformity, good clarity and color, a narrow molecular weight distribution, and good solubility characteristics. For the convenience of the formulator, Razeen® SR 5071 is offered in several types of solvent combinations.

Advantages

- Narrower and more rigid specifications
- Elimination of batch-to-batch variation in both the resin and the final coating formulation
- Superior flow, freedom from crawling and catering
- Superior wetting properties
- Reduced pigment floating, flocculation, and silking.

Specific Key Data	Property	Value	Test method
	Appearance	Clear, No Contamination	JCTM 002
	Color (Gardner)*	2 Max.	ASTM D-1544
	Epoxy value	0.189 - 0.222, eq/100gm	ASTM D-1652
	Weight per Epoxide	450 - 530 g/eq	ASTM D-1652
	Bubble Viscosity, Gardner 25°C (77°F)*	D-G	ASTM D-1545

* 40% in butyl carbitol

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

Typical Key Data	Property	Value
	Melting Point, Durrans	65-75 °C
	Weight per gallon @ 25°C (77°F)	9.9 lb avg.
	Bulking Value @ 25°C (77°F)	0.1010 gal/lb
	Density @ 25°C (77°F)	1.21 g/cm ³

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.

Package & Storage Razeen[®] SR 5071 is available in 200 Kg. drums. This product should be stored in a dry place, preferably in the sealed original bags at temperatures between 2°C and 40°C. The product should not be stored or exposed to direct sunlight.

Handling Precautions Forced ventilation and dust masks or respirators should be used in order to ensure that operatives do not breath in dust generated by resin, hardener or formulated powder coatings.

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.

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

Jubail Chemical Industries Co. (JANA)
P.O Box 10661
Jubail Industrial city 31961
Kingdom of Saudi Arabia
Tel : +966 3 3585002
Fax: +966 3 3585113
Website: www.jana-ksa.net

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