

Razeen® SR 5071

Solid Epoxy Resin



General Razeen® SR 5071 is a low melting solid unmodified epoxy resin based on Bisphenol A with narrow molecular weight distribution.

Applications Razeen® SR 5071 designed for use in high performance protective and decorative coating systems. Such coatings can be applied in the field of:

Maintenance coatings	Marine finishes (Shop primer)
Tank linings	Floor finishes
Interior pipe coatings	Concrete coatings
Zinc rich primers as intermediate or top coats	

When cured with polyamines, polyamidoamines, or other adducts for the formulation of solvent-containing coatings, these coatings cure at ambient temperatures.

Razeen® SR 5071 can be added to alkyd/amino stoving enamels to enhance their quality and to powder coatings e.g. to improve their flow.

Properties Due to their relative low melting point Razeen® SR 5071 has some tendency to sinter during storage The formulated coatings however show excellent performance including:

- Outstanding adhesion to a variety of substrates, e.g. metals, concrete, wood etc.
- Optimal flexibility
- High impact strength
- Good all round chemical and corrosion resistance

Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color Gardner*	2 max.	ASTM D-1544
	Epoxy value	1.89 – 2.22 eq/Kg	ASTM D-1652
	Weight per epoxide	450 - 530 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	200 - 500 mPa.s	ISO 12058-1

* 40% in butyl carbitol

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

Typical Key Data	Property	Value	Test method
	Softening point (Mettler)	77 - 82°C	DIN 51920
	Density at 25 °C (77 °F)	1.19 g/cm ³	ISO 8130
	Flash point	≥ 200°C	ISO 2592

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	Solid flakes or semi solid (fused)
Odour	None
Shelf life (at storage temperature between 2–25°C) (see expiry date on original packaging)	Several Years as fused material also for flake If stored correctly
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, Carbon dioxide, nitrogen oxides and other toxic gases and vapours
Disposal	Regular procedures approved by local authorities

Package & Storage

Razeen® SR 5071 is available in 200 Kg. drums (fused) and 25kg bags (flake) This product should be stored in a dry place, preferably in the sealed original drums at temperatures between 2°C and 30°C or below 20 for flake. The product should not be stored or exposed to direct sunlight. If stored under warmer conditions, sintering may occur in flake material.

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 more information please refer the corresponding material safety data sheets.

Note

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

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