

# 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 yeild some tendency to cake while in storage The formulated coatings however shows excellent performances like:

- Outstanding adhesion to a variety of substrates, e.g. metals, concrete, wood etc.
- Optimal flexibility
- High impact strength
- Good allround 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 <sup>3</sup>	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	Flakes
Odour	None
Shelf life (at storage temperature between 2–25°C) (see expiry date on original container)	Several Years
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 This product should be stored in a dry place, preferably in the sealed original drums at temperatures between 2°C and 30°C. The product should not be stored or exposed to direct sunlight. If stored under warmer conditions, sintering may occur.

**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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