



# Razeen® SR 5199

## High molecular weight, solid Epoxy Resin

**General** Razeen® SR 5199 is an unmodified higher molecular weight epoxy resin based on Bisphenol A.

**Applications** Razeen® SR 5199 can be cured with amino or phenolic resins for the formulation of:

- Linings for cans, tubes and metal containers of all types.
- Mechanically and chemically highly resistant heat-curing primers and enamels.

Combinations with polyisocyanates yield anticorrosion paints which can be cured at room temperature.

**Properties** Package linings and heat-cured enamels have:

- Excellent flexibility and impact strength
- Excellent deep-drawing capability
- Good general chemical resistance

Coatings formulated in combination with polyisocyanates exhibit:

- High reactivity
- Outstanding mechanical properties
- Good chemical resistance.

Specific key data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner*	2 max	ASTM D-1544
	Epoxy value	0.34 - 0.42 eq/Kg	ASTM D-1652
	Weight per epoxide	2380 - 2940 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	5000 - 10000 mPa.s	ISO 12058-1

\*40% in butyl carbitol

Specific key data are individually checked, guaranteed, and included in the Certificates of Analysis.

Typical key data	Property	Value	Test method
	Softening point, Mettler	143 - 158 °C	ASTM D-3461
	Density at 25 °C	~ 1.20 g/cm <sup>3</sup>	ISO 8130
	Flash point	≥ 200 °C	ISO 2592
	Hydroxyl content	~ 3.4 eq/kg	ISO 4629

Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.

As-supplied form	Flakes
Odour	None
Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	6 years
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, Carbon dioxide and other toxic gases and vapours
Disposal	regular procedures approved by local authorities

<b>Packing &amp; Storage</b>	Razeen® SR 5199 is available in 20 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 conditions, sintering may occur.
<b>Handling/Safety Precautions</b>	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.
<b>Note</b>	Razeen® is a registered trademark of JANA or an affiliate thereof.

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