

# Razeen® SR 5357

## Solid Epoxy Resin based on Bisphenol A and Novolak



<b>General</b>	Solid epoxy resin based on bisphenol A and phenol novolak for powder coating
<b>Applications</b>	Razeen® SR 5357 is a high melt viscosity epoxy novolak modified solid epoxy resin suited for the manufacture of powder coatings. The resin is mainly used as an upgrader in combination with unmodified Bisphenol-A epoxy resins from "type 3 - 4" to improve corrosion and chemical resistance. Such coatings are most suitable for rebar and pipe applications.
<b>Properties</b>	Depending on hardener used Razeen® SR 5357 based coatings shows: <ul style="list-style-type: none"> <li>• Low temperature cure (high reactivity)</li> <li>• Excellent electrical properties</li> <li>• Good corrosion resistance</li> <li>• Excellent chemical and heat resistance</li> <li>• Excellent edge coverage</li> <li>• Good adhesion</li> <li>• FDA approved</li> </ul>

Specific key data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color Gardner*	2 max	ASTM D-1544
	Epoxy value	1.17 – 1.29 eq/Kg	ASTM D-1652
	Weight per epoxide	775 - 855 g/eq	ASTM D-1652
	Viscosity @ 25 °C (77 °F)*	1000 - 1600 mPa.s	ISO 12058-1

*Specific key data are individually checked throughout, guaranteed and included in Certificate of Analysis.*

Typical Key Data	Property	Value	Test method
	Melt viscosity at 200°C	2400 - 4000 mPa.s	ASTM D-4440
	Softening point (Mettler)	~110 °C	ASTM D-3461
	Density at 25°C	1.19 g/cm <sup>3</sup>	ISO 8130
	Flash point	≥ 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	Flakes (< 5 mm sieve)
Odor	None
Self life (at storage temperature between 2-40°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 vapors.
Disposal	Regular procedures approved by local authorities.

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<b>Package &amp; Storage</b>	Razeen® SR 5357 is supplied in 25 Kg. bags. This product should be stored in a dry place, preferably in the sealed original container at temperatures between 2°C and 40°C. The product should not be stored exposed to direct sunlight.
<b>Handling/Safety Precautions</b>	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.  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.
<b>Note</b>	Razeen® is a registered trademark of JANA or an affiliate thereof.

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