

ADDpox[®] SR 5097

Solid Epoxy Resin

General	ADDpox [®] SR 5097 is a solid, unmodified epoxy resin based on Bisphenol A.
Applications	<p>ADDpox[®] SR 5097 is a solid, high melt viscosity, epoxy resin designed for high quality industrial coatings and for thick-film powder coatings. These typical applications are:</p> <ul style="list-style-type: none"> • Metal decorating finishes • Can and coil coatings • Drum and tank linings • Application primers and enamels • Metal furniture finishes • Primers (including weldable primers) for practically all types of substrates <p>ADDpox[®] SR 5097 is successfully used for the production of powder coatings for:</p> <ul style="list-style-type: none"> • Components used in the chemical industry with high chemical and mechanical resistance. • Tube and pipe coatings

Properties	<p>Depending on the cross linker used in the formulation such coatings yield:</p> <ul style="list-style-type: none"> • Superior flow and wetting properties • High gloss development with reduced pigment floating and flocculation • Good chemical, solvent and water resistance • Outstanding adhesion and flexibility (impact resistance) • Good corrosion resistance • Excellent sterilisation performance • Good deep-drawing capability • Complies with the requirements of the FDA listing
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Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner*	3 max	ASTM D-1544
	Epoxy value	0.52 - 0.66 eq/Kg	ASTM D-1652
	Weight per epoxide	1515 - 1920 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	1070 - 1760 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)	100 - 118 °C	ASTM D-3461
	Density at 25 °C (77 °F)	1.2 g/cm ³	ISO 8130
	Hydroxyl content	~ 3.2 eq. /kg	ISO 4629
	Flashpoint	≥200 °C	ISO 2719

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 2-40 °C (see expiry date on original container)	6 years
Hazardous decomposition products (When disposed in fire)	Carbon monoxide, Carbon dioxide and other toxic gases and vapour
Disposal	Regular procedures approved by local authorities.

Package & Storage ADDpoxy[®] SR 5097 is supplied in 25Kg. bags. This product has minimum shelf life of 6 years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

Handling / Safety Precautions **Caution! Avoid dusty conditions.**
 Avoid contact with eyes.
 Avoid breathing dust.
 Avoid prolonged or repeated contact with skin.
 When poured, resin can generate static electricity sparks which can ignite flammable vapours or dusts.
 Use with good ventilation.

Read Material Safety Data Sheet before using For Industrial use only.

First Aid **In case of contact:**

Eyes : Promptly flush with water for at least 5 minutes.
 Skin : Wash with mild soap and water.
 Inhalation : Remove to fresh air. Give oxygen if breathing is difficult.
 Ingestion : If conscious, give plenty of water. Call a physician.

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

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