

ADDpox[®] SR 5199

High molecular weight, solid Epoxy Resin

General ADDpox[®] SR 5199 is an unmodified high molecular weight epoxy resin based on Bisphenol A.

Applications ADDpox[®] 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.

ADDpox[®] SR 5199 can be cured with polyisocyanates for anticorrosive paints, epoxy pitch and tank linings including ballast tanks 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 throughout, 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 ³	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

Packing & Storage	ADDpox [®] 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.
Handling/Safety Precautions	<p>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.</p> <p>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.</p>
Note	ADDpox [®] is a registered trademark of JANA or an affiliate thereof.

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