

ARADUR® 100#

Extremely high-viscosity polyamidoamine hardener

Applications In combination with liquid or (preferably) solid epoxy resins or their solutions, such as Araldite® GZ 7071 X 75 , Aradur 100 is suitable for the formulation of cold-curing, solvent-containing coatings, for application to steel and mineral substrates. Its main areas of application are in ship-building, anti-corrosion protection and the construction industry.

Properties In combination with solid epoxy resins or their solutions for cold-curing, solvent-containing lacquers, presenting the following features:

- extremely long working times
- non-tacky films after pre-reaction
- very good adhesion and flexibility
- very high degree of anti-corrosion protection.

Reactivity increases throughout the Aradur 100, 115, 125 and 140 hardeners. The degree of sensitivity to high atmospheric humidity increases in proportion with the amine content. For applications under cold-damp conditions, we recommend Aradur 422 XW 70, 423 XW 60, 424 XW 50 hardeners (pre-adducted polyamidoamine).

Key data	Specified key data
	Aspect (visual) high-viscosity, clear liquid
	Colour (Gardner, ISO 4630) ≤ 10
	Amine number (ISO 9702) 83 - 93 [mg KOH/g]
	Viscosity at 150 °C (Rotary viscosity, ISO 3219) 700 - 1100 [mPa s]

Specified key data are individually checked throughout and guaranteed.

Typical key data		
H ⁺ active equivalent	~ 475	[g/eq]
Density at 20 °C (ISO 1675)	0.96	[g/cm ³]
Flash point (Pensky Martens, ISO 2719)	≥ 200	[°C]
As-supplied form	liquid	
Odour	amine	
Shelf 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 vapours	
Disposal	regular procedures approved by local authorities	

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

In addition to the brand name product denomination may show different appendices, which allows us to differentiate between our production sites: e.g. BD = Germany, US = United States, IN = India, CI = China, etc. These appendices are in use on packaging, transport and invoicing documents. Generally the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.

Mix ratio	<p>The mix ratio of Araldite GZ 7071 X 75 to Aradur 100 should be selected as 100:75 parts by weight.</p> <p>Deviations from this of up to 20 % are acceptable. In such cases a higher proportion of Aradur provides increased flexibility and adhesion, while improved chemical resistance is achieved with a reduced proportion of Aradur.</p>
Storage	<p>Aradur 100 should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 and 40 °C. The product should not be stored exposed to direct sunlight.</p>
Handling precautions	<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 and the brochure "Hygienic precautions for handling plastics products".</p>
Note	<p>Aradur® is a registered trademark of Huntsman LLC or an affiliate thereof.</p>

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