

Aradur® 125[#]**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 125 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.

When used along with liquid epoxy resins such as Araldite GY 250, GY 720, GY 783, it is possible to formulate mastics and reaction adhesives with large proportions of solids.

Properties

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

- 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, 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)	340 - 370	[mg KOH/g]
Viscosity at 75 °C (Rotary viscosity, ISO 3219)	700 - 900	[mPa s]

Specified key data are individually checked throughout and guaranteed.

Typical key data

H ⁺ active equivalent	~ 130	[g/eq]
Density at 20 °C (ISO 1675)	0.96	[g/cm ³]
Flash point (Pensky Martens, ISO 2719)	≥ 200	[°C]
Gel time (Tecam, 250 g / 23 °C, Araldite GY 250/Aradur 125, 100:65 p.b.w.)	120	

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 125 should be selected as 100:25 parts by weight.</p> <p>The mix ratio of Araldite GY 250 to Aradur 125 should be selected as 100:65 parts by weight.</p> <p>Deviations from this of up to 15% 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	Aradur 125 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.
Handling precautions	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.
Note	Aradur® is a registered trademark of Huntsman LLC or an affiliate thereof.

Huntsman LLC
 ®Registered trademark



IMPORTANT: The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.