

ARADUR® 140#**Polyamidoimidazoline**

Applications	<p>Mainly with liquid epoxy resins such as Araldite® GY 250, GY 720, GY 783 for solvent-free or heavy-filled mastics, epoxy resin mortars or reaction adhesives. For application to steel or mineral substrates.</p> <p>When used with liquid or (preferably) solid epoxy resins or their solutions, such as Araldite GZ 7071 X 75, for the formulation of cold-curing, solvent-containing coatings. Main applications in the construction industry, but also in ship-building and for anti-corrosion protection.</p>																																									
Properties	<p>Systems based on, for example, Araldite GY 720 and Aradur 140 make it possible to formulate heat-resistant epoxy resin mortars.</p> <p>In combination with solid epoxy resins or their solutions for cold-curing, solvent-containing lacquers featuring adequate working times, non-tacky films after the pre-reaction, very high degrees of adhesion and flexibility along with good anti-corrosion protection.</p> <p>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 hardener).</p>																																									
Key data	<p>Specified key data</p> <table border="1"> <tr> <td>Aspect (visual)</td> <td colspan="2">high-viscosity, clear liquid</td> </tr> <tr> <td>Colour (Gardner, ISO 4630)</td> <td colspan="2">≤ 10</td> </tr> <tr> <td>Amine number (ISO 9702)</td> <td>370 - 410</td> <td>[mg KOH/g]</td> </tr> <tr> <td>Viscosity at 75 °C (Rotary viscosity, ISO 3219)</td> <td>300 - 600</td> <td>[mPa s]</td> </tr> </table> <p>Specified key data are individually checked throughout and guaranteed.</p> <p>Typical key data</p> <table border="1"> <tr> <td>H⁺ active equivalent</td> <td>~ 95</td> <td>[g/eq]</td> </tr> <tr> <td>Density at 20 °C (ISO 1675)</td> <td>0.96</td> <td>[g/cm³]</td> </tr> <tr> <td>Flash point (Pensky martens, ISO 2719)</td> <td>≥ 200</td> <td>[°C]</td> </tr> <tr> <td>Gel time (Tecam, 250 g / 23 °C, Araldite GY 250/Aradur 140, 100:50 p.b.w.)</td> <td>120</td> <td>[min]</td> </tr> <tr> <td>As-supplied form</td> <td colspan="2">liquid</td> </tr> <tr> <td>Odour</td> <td colspan="2">amine</td> </tr> <tr> <td>Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)</td> <td colspan="2">several years</td> </tr> <tr> <td>Hazardous decomposition products (when disposed of in fire)</td> <td colspan="2">carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapours</td> </tr> <tr> <td>Disposal</td> <td colspan="2">regular procedures approved by local authorities</td> </tr> </table> <p>Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.</p>			Aspect (visual)	high-viscosity, clear liquid		Colour (Gardner, ISO 4630)	≤ 10		Amine number (ISO 9702)	370 - 410	[mg KOH/g]	Viscosity at 75 °C (Rotary viscosity, ISO 3219)	300 - 600	[mPa s]	H ⁺ active equivalent	~ 95	[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 140, 100:50 p.b.w.)	120	[min]	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	
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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.