

## ARADUR® 450#

### Formulated polyamidoamine adduct

**Applications** With liquid epoxy resins such as Araldite® GY 250, GY 764, GY 783 or GY 793, for primers / adhesion promoters to problematic concrete substrates and also for solvent-free or low-solvent coatings (high-solids) for heavy-duty corrosion protection. Due to its extreme tolerance to wet conditions, Aradur 450 can be applied to all types of wet-damp and difficult to wet substrates.

**Properties** Used along with suitable epoxy resins, Aradur 450 presents the following features:

- relatively low viscosity, and good working properties
- slight flexibility with high levels of mortar stability
- outstanding adhesion to wet concrete and sand-blasted steel
- smooth, glossy, tack - free cured films or coatings
- very good corrosion protection

Key data	Specified key data		
	Aspect (visual)	clear yellow to brown liquid	
	Colour (Gardner, ISO 4630)	≤ 10	
	Amine number (ISO 9702)	250 - 290	[mg KOH/g]
	Viscosity at 25 °C (Rotary viscosity, ISO 3219)	1000 - 2000	[mPa s]


Specified key data are individually checked throughout and guaranteed.

Typical key data			
	H <sup>+</sup> active equivalent	115	[g/eq]
	Density at 20 °C (ISO 1675)	1.01	[g/cm <sup>3</sup> ]
	Flash point (Pensky Martens, ISO 2719)	76	[°C]
	Recommended mix ratio with Araldite GY 783	60	[g/100 g]
	Gel time (Tecam, 250 g/23 °C) with Araldite GY 783	~ 80	[min]
	As-supplied form	liquid	
	Odour	amine	
	Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	minimum 1 year	
	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.

<b>Mix ratio</b>	The optimum mix ratio for Araldite GY 783 and Aradur 450 is 100:60 parts by weight.
<b>Storage</b>	Aradur 450 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.
<b>Handling precautions</b>	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" .
<b>Note</b>	Aradur® is a registered trademark of Huntsman LLC or an affiliate thereof.

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 <b>APPROVED TO</b> <small>ISO 9001</small>	