

Aradur® 46 S[#]

Thin-flowing, modified, cycloaliphatic, accelerated polyamine hardener

Applications In combination with liquid epoxy resins such as Araldite® GY 764, GY 783 and GY 793, Aradur 46 S is suitable for the production of solvent-free floorings, epoxy resin mortars and coatings for anti-corrosion protection.

Properties Used along with suitable epoxy resins, Aradur 46 S presents the following features:

- a low level of viscosity making it easy to work
- a high level of reactivity with adequate working time
- outstanding curing properties and short dust-dry time even at low temperatures (from 5 °C) and high atmospheric humidity
- very good mechanical properties
- good all-round chemical resistance
- smooth, glossy, non-tacky cured films (silk-gloss finish at > 8 °C)
- good protection against corrosion
- light-coloured films with relatively good colour stability.

Key data

Specified key data

Aspect (visual)	clear liquid	
Colour (Gardner, ISO 4630)	≤ 3	
Amine number (ISO 9702)	310 - 340	[mg KOH/g]
Viscosity at 25 °C (Rotary viscosity, ISO 3219)	220 - 320	[mPa s]

Specified key data are individually checked throughout and guaranteed.


Typical key data

H ⁺ active equivalent	95	[g/eq]
Density at 20 °C (ISO 1675)	1.06	[g/cm ³]
Flash point (Pensky Martens, ISO 2719)	130	[°C]
Recommended mix ratio with Araldite GY 783	50	[g/100 g]
Gel time (Tecam, 250 g/23 °C) with Araldite GY 250	20	[min]
Gel time (Tecam, 250 g/23 °C) with Araldite GY 783	27	[min]
Mix viscosity with Araldite GY 783 at 8 °C	3900	[mPa s]
at 25 °C	680	[mPa s]
As-supplied form	liquid	
Odour	amine	
Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	1 year at least	
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	The optimum mix ratio for Araldite GY 783 Huntsman Advanced Materials and Aradur 46 S is 100:50 parts by weight.
Storage	Aradur 46 S 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.

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 APPROVED TO ISO 9001	