HUNTSMAN
Enriching lives through innovation

Advanced Materials

Aradur® 30 XWM 55#

CONSTRUCTION INDUSTRY SYSTEMS
SOLVENT-FREE COATINGS

DATA SHEET

Isolated, aliphatic polyamine adduct in solution

Applications

In combination with semi-solid epoxy resins such as Araldite GY 280, or solid resins such as Araldite GT 7071, GT 7072 or their solutions such as Araldite GZ 7071 X 75, Aradur 30 XWM 55 is suitable for the production of solvent-containing, cold-curing anti-corrosion coatings applied to metal or mineral substrates.

Used with multi-functional epoxy resins such as Araldite EPN 1180, Aradur 30 XWM 55 is suitable for (top)-coatings with a particularly high degree of chemical resistance.

Properties

Lacquers formulated with Aradur 30 XWM 55 present the following features:

- long pot life, depending on the type of Araldite resin used
- high degree of reactivity
- non-tacky films with no pre-reaction
- excellent adhesion to metals, concrete and wood
- high degree of flexibility
- good to very good degree of chemical resistance

Key data

Specified key data

Aspect (visual)	**clear liquid**	
Colour (Gardner, ISO 4630)	**≤ 5**	
Amine value (ISO 9702)	**98 - 114**	**[mg KOH/g]**
Viscosity at 25 °C (ISO 3219)	**2000 - 2800**	**[mPa s]**
Solids content (ISO 3251)	**54 – 56**	**%**

Specified key data are individually checked throughout and guaranteed.

Typical key data

Solvent	xylene/n-butanol/ methoxypropanol	(4:1:4)
H^+ active equivalent	~370	[g/eq]
Density at 20°C (ISO 1675)	1.05	[g/cm^3]
Flash point (Pensky Martens, ISO 2719)	~ 23	[°C]
As-supplied form	liquid	
Odour	yes	
Shelf life (at storage temperature between 2 - 40°C) (see expiry date on original container)	3 years 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 ratios	Recommended mix ratios in parts by weight: Araldite GY 280 with Aradur 30 XWM 55 is 100:148 Araldite GT 7071 with Aradur 30 XWM 55 is 100:73 Araldite GZ 7071 X 75 with Aradur 30 XWM 55 is 100:55 Araldite EPN 1180 with Aradur 30 XWM 55 is 100:210 Araldite EPN 1180 X 80 with Aradur 30 XWM 55 is 100:168 If diluted further, polar solvents should also be used along with xylene to ensure the compatibility of the binders. Because of the amine function, esters or ketones should not be added to the hardener, but only to the epoxy resin component.
Storage	Aradur 30 XWM 55 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.

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