

Aradur® 3203[#]

Low viscosity, phenol-free, formulated aliphatic polyamine adduct

Applications

In combination with liquid Araldite® epoxy resins such as Araldite GY 250, GY 253, GY 255, GY 257, GY 260, GY 266, PY 302-2, GY 783, PY 307-1 and BY 157, Hardener Aradur 3203 is suitable for producing solvent-free or low-solvent highly resistant coatings and flooring compounds.

Thanks to its high reactivity, Aradur 3203 can also be used as cure accelerator in conjunction with polyamidoamine or cycloaliphatic polyamine hardeners.

Properties

Highly reactive and therefore suitable for systems applied by two-component spray equipment not utilizing compressed air.

Characteristics

- short pot life and rapid curing
- excellent resistance to inorganic acids and organic solvents such as hydrocarbons and alcohols
- good mechanical properties
- good adhesion to concrete and sandblasted steel
- relatively good colour fastness
- the tendency to surface tackiness (exudation) can be prevented by pigmentation, combination with other hardeners and/or addition of benzyl alcohol.

Key data

Specified key data

| | | |
|--|--------------|------------|
| Aspect (visual) | clear liquid | |
| Colour (Gardner, ISO 4630) | ≤ 3 | |
| Amine number (ISO 9702) | 455 - 485 | [mg KOH/g] |
| Viscosity at 25 °C (Falling-ball, ISO 12058-1) | 300 - 600 | [mPa s] |

Specified key data are individually checked throughout and guaranteed.

Typical key data

| | | |
|--|--|----------------------|
| H ⁺ active equivalent weight | 50 | [g/eq] |
| Density at 25 °C (ISO 1675) | 0.96 | [g/cm ³] |
| Flash point (Pensky Martens, ISO 2719) | ≥ 200 | [°C] |
| As-supplied form | liquid | |
| Odour | yes | |
| 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 ratios | Components | | | | | | | | | | Parts by weight | | |
|------------|--------------------------------|------|------|------|-----|------|------|------|------|-------|-----------------|-----|---|
| | | | | | | | | | | | | | |
| | Araldite GY 250 | 100 | - | - | - | - | - | - | - | - | - | - | - |
| | Araldite GY 253 | - | 100 | - | - | - | - | - | - | - | - | - | - |
| | Araldite GY 255 | - | - | 100 | - | - | - | - | - | - | - | - | - |
| | Araldite GY 257 | - | - | - | 100 | - | - | - | - | - | - | - | - |
| | Araldite GY 260 | - | - | - | - | 100 | - | - | - | - | - | - | - |
| | Araldite GY 266 | - | - | - | - | - | 100 | - | - | - | - | - | - |
| | Araldite PY 302-2 | - | - | - | - | - | - | 100 | - | - | - | - | - |
| | Araldite GY 783 | - | - | - | - | - | - | - | 100 | - | - | - | - |
| | Araldite PY 307-1 | - | - | - | - | - | - | - | - | 100 | - | - | - |
| | Araldite BY 157 | - | - | - | - | - | - | - | - | - | - | 100 | - |
| | Aradur 3203 | 27 | 28 | 27 | 27 | 27 | 27 | 29 | 27 | 29 | 28 | | |
| | Viscosity at 25 °C [mPa s] | 6900 | - | 4000 | - | 7900 | - | 3900 | - | 10900 | - | | |
| | (ISO 12058-1) | - | 2800 | - | 600 | - | 5300 | - | 1100 | - | 1050 | | |
| | Gel time [min] | 15 | 15 | 14 | 20 | 12 | 15 | 13 | 20 | 11 | 16 | | |
| | (Tecam, 100 ml, 20 °C, 65% RH) | | | | | | | | | | | | |

Storage Aradur 3203 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 and the brochure “Hygienic precautions for handling plastics products”.

Note Aradur® is a registered trademark of Huntsman LLC or an affiliate thereof.

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| <p>Huntsman LLC ®Registered trademark</p>  <p>APPROVED TO ISO 9001</p> | <p>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.</p> |
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