

Advanced Materials**PROVISIONAL DATA SHEET****Aradur® 3951 Epoxy Curing Agent****Water Reducible, Multi-functional Polyamide Epoxy Curing Agent****Key properties**

- Water reducible curing agent for low VOC coatings
- Compatible with both liquid epoxy resins and waterborne solid epoxy dispersions
- Compatible with zinc metal dust for 2k zinc-rich primers
- Suitable for primers and direct-to-metal applications
- Long pot life, up to 7 hours
- Low viscosity
- Excellent corrosion protection

Description

Aradur® 3951 is a multi-functional polyamide curing agent especially formulated for water-dilutable epoxy resin systems. It was developed for the formulation of two-component anti-corrosion primers for metal, zinc-rich primers and direct-to-metal (DTM) coatings for industrial, marine and shipping container applications. When formulated with Araldite® PZ 3961-1 waterborne epoxy resin dispersion, the advantages of low VOC content, fast dry, 7-hour pot life and excellent corrosion protection can be obtained. Aradur® 3951 is stable against formation of hydrogen gas when appropriately formulated with zinc metal dust.

Applications

Waterborne or high solids, two-component epoxy primers and coatings, two-component organic zinc-rich primers, and non-heavy metal DTM coatings for infrastructure, marine, maintenance and industrial markets.

Product data*

	Aradur® 3951
Visual Appearance	Clear, no contamination
Color, Gardner, max	9
Viscosity at 25°C (cP)	1500 – 3500
Solid Content (wt%)	78 ±1.5
Solvent Content (wt%)	22 (propylene glycol monomethyl ether)
H ⁺ Active Equivalent Weight (g/eq.)	306 (as supplied)
Amine Value (mg KOH/g)	145 – 165
Density at 25°C (g/cm ³ , lb/gal)	1.0, 8.4
Flash Point (°C)	49

* Product data are based on Huntsman's test methods. Copies are available upon request.

Formulations

Starting point formulations for a waterborne, two-component organic zinc-rich primer (MF 391) and a waterborne two-component DTM coating (MF 366) are available upon request. For more information, please contact a Huntsman sales representative.

Storage

Aradur 3951 should be stored in a dry place and in the sealed original container, at temperatures between 20°C and 40°C. Under these storage conditions the shelf life is 2 years. The product should not be exposed to direct sunlight.

**PRECAUTIONARY
STATEMENT**

Huntsman Advanced Materials Americas maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to MSDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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