

Advanced Materials**Aradur[®] 3984 Epoxy Curing Agent**

Waterborne, Modified Aliphatic Amine

COATINGS AND CONSTRUCTION

GENERAL	Aradur [®] 3984 epoxy curing agent is a waterborne, modified aliphatic amine curing agent designed for use in formulating two-component ambient, as well as heat cured, coatings. It is free of organic solvents and is supplied as 80% solids in water. It can be diluted in water, however at dilutions greater than 30% solids the solutions become milky.	
CHEMICAL DESCRIPTION	Aradur [®] 3984 is a waterborne, modified aliphatic amine epoxy curing agent	
KEY PERFORMANCE PROPERTIES	<ul style="list-style-type: none">• Ability to formulate low VOC coatings• Excellent compatibility with Araldite[®] PZ 3901 and Araldite[®] PZ 3921 solid epoxy resin dispersions• Rapid dry times and recoatability• Good abrasion, chemical and solvent resistance• Excellent gloss and low yellowing• Very rapid hardness development with good mechanical properties• Excellent flexibility with Araldite[®] PZ 3901 and Araldite[®] PZ 3921	
APPLICATIONS	Two-component ambient or heat cured coatings Chemically resistant metal primers and coatings Low VOC (< 100 g/L) primers and coatings	
TYPICAL PROPERTIES (are based on Huntsman's test methods. Copies are available upon request.)	Visual Appearance	Clear, no contamination
	Color, Gardner, max	8
	H ⁺ Active Equivalent Weight (g/eq.)	150 (as supplied)
	Amine Value (mg KOH/g)	196 - 253
	Viscosity @ 25 °C (77°F), (cP)	5 000 - 15 000
	Solids Content (wt %)	80 ± 2 (in water)
	Density @ 25 °C (77°F), (g/cm ³ / lb/gal)	1.134 / 9.48
	Flash Point, Closed Cup (°C)	> 100

FORMULATIONS

To obtain optimum properties, Aradur® 3984 must be formulated properly for the intended application and the type of epoxy resin used. Recommended starter formulations are available for white and clear coatings with Araldite® PZ 3901 and Araldite® PZ 3921.

STORAGE

Aradur® 3984 epoxy curing agent should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and +104°F). 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 LLC 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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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