

Aradur[®] 3984 Hardener

Product Description

Aradur[®] 3984 Hardener 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.

Applications

- Two-component ambient or heat cured coatings
- Chemically resistant metal primers and coatings
- Low VOC (< 100 g/L) primers and coatings

Features

- 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

Typical Properties*

Property	Aradur [®] 3984
Appearance	Clear, no contamination
Color, Gardner, max	8
H ⁺ active equivalent, g/eq	150 (as supplied)
Amine value, mg KOH/g	196 - 253
Viscosity @ 25°C, cP	5 000 - 15 000
Density @ 25°C (77°F), g/cm ³	1.134 / 9.48
Flash point, closed cup, °C	> 100
Solids content, wt %	80 ± 2 (in water)

*Typical properties are based on Huntsman's test methods. Copies are available upon request.

Processing

To obtain optimal properties Aradur® 3984 must be correctly formulated for the particular application and the type of resin used. Recommended starter formulations are available for white and clear coatings with Araldite® PZ 3901 and Araldite® PZ 3921.

Storage

Aradur® 3984 Hardener should be stored in a dry place, in the sealed original container, at temperatures between 2°C and 40°C (36°F and 104°F). Under these storage conditions, the product has a shelf life of **2 years** (from date of manufacture). The product should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) 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 SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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