

Ara[®]Cool 1034 XW 90 Epoxy Curing Agent

Modified Amine Hybrid for Rapid Curing Systems

Coatings formulated with Ara[®]Cool 1034 XW 90 are characterized by an appealing combination of long pot life with outstanding low temperature reactivity and rapid development of properties. It provides excellent adhesion and corrosion protection on blasted steel substrates. The adjustable mixing ratio allows the formulator to tailor the end properties, such as chemical resistance. If even faster curing speed is needed, Accelerator 2950 is very effective. Ara[®]Cool 1034 XW 90 is supplied as an 90% solids solution in xylenes and n-butanol.

Applications

- Low temperature curable anticorrosion coatings for marine and maintenance
- A multitude of general - purpose protective / decorative applications

Features

- Long pot life with outstanding low temperature reactivity
- Does not contain benzyl alcohol, nonylphenol or bisphenol-A
- Outstanding hardness development even at 0-5°C
- No induction time needed
- Excellent adhesion and corrosion protection on blasted substrates
- Good blush resistance
- Long recoat window, up to 4 weeks
- Adjustable mixing ratio for ease of formulating

Typical Properties*

Property	Ara [®] Cool 1034 XW 90 Epoxy Curing Agent
Visual Appearance	Clear, amber liquid
Color, Gardner, max.	10
H+ Active Equivalent Weight (g/eq.)	105 - 155
Amine Value (mg KOH/g)	425 - 450
Viscosity at 25°C (cP)	1000 - 2500
Solids Content (% by wt.), solvent	90 ± 1, xylenes (8%), n-butanol (2%)
Density at 25°C (g/cm ³ , lb/gal)	1.02, 8.5
Flash Point, Closed Cup (°C)	25

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

Formulation Data

Unless otherwise stated, the data were determined with typical production batches using standard test methods. They are typical values only, and do not constitute a product specification.

Clear Coating Formulation Data

Formulation		Parts by weight	
Araldite® GY 250 Epoxy Resin		100	
Ara®Cool 1034 XW 90 Epoxy Curing Agent		84	
Coating Properties	Test Method	23°C / 50% RH	5°C / 40% RH
Pot life, 100g at 23°C / 50% RH	Tecam	89	-
Dust free / Through cure drying time (hr)	Landolt	2.5 / 4	5 / 10
Transparency after 24h	Visual	OK	OK
Persoz Hardness, 1 / 2 / 7 days (s)	ANSI/ISO 1522	172 / 182 / 189	32 / 84 / 142

Storage

Ara®Cool 1034 XW 90 epoxy curing agent should be stored in a dry place, in its sealed original container, at temperatures between 2°C - 40°C (36°F - 104°F). Under these storage conditions the shelf life is 24 months 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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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