

Technical Data Sheet

EPIKURE™ Curing Agent 8530-W-75

Product Description

EPIKURE Curing Agent 8530-W-75 is a water-reducible polyamine adduct supplied at 75% weight solids in water. It does not contain any organic solvents or acids. This versatile waterborne curing agent can be combined with a solid epoxy resin dispersion to produce ambient-cure metal and concrete coatings. EPIKURE 8530-W-75, when combined with the solid epoxy resin dispersion EPI-REZ™ Resin 7520-WD-52, provides a cost-effective, high performance alternative to traditional solvent-borne coatings systems. This new system is called the NextGen Epoxy™ Waterborne System.

Application Areas/Suggested Uses

- Metal primers for ACE, railway, and transportation coatings
- Concrete primers/sealers or gloss topcoats
- Semi-gloss floor coatings for basements, warehouses, etc.
- Institutional coatings (gyms, schools, hospitals, etc.)
- Block-fill coatings
- Grouts and putties

Benefits

- Ultra-low VOC for concrete (<50 g/L) and metal (<100 g/L) coatings
- Superior corrosion resistance (1000 hours ASTM B117)
- Fast dry times and good hardness development
- Long pot life with high gloss profile
- High solids with low viscosity for easier handling
- Excellent adhesion to metal, concrete and other masonry substrates
- Low amine hydrogen equivalent weight provides lower curing agent demand

Sales Specifications

Property	Value	Unit	Test Method
Amine Value As Supplied	250 - 300	mg KOH/g	ASTMD2896
Solids	73 - 77	% wt.	LM-045
Viscosity @ 25°C	6000 - 15000	cP	ASTMD2196

Typical Properties

Property	Value	Unit	Test Method
Amine Hydrogen Equivalent Weight As Supplied	120	g/eq	Calculated
Appearance *	Clear to Light yellow solution		Visual
Color	Max 5	Gardner	ASTMD1544
Density @ 25°C	9.2	lbs/gal	ASTMD1475

* EPIKURE Curing Agent 8530-W-75 may be diluted 1:1 by weight with water. Adding more water than recommended directly to the curing agent may result in haze.

General Information

EPIKURE Curing Agent 8530-W-75 is a water soluble polyamine adduct that is supplied at 75% solids in water and contains no organic solvents. This versatile waterborne curing agent can be combined with solid epoxy resin dispersions to produce ambient-cure coatings for a variety of civil engineering and coating applications. EPIKURE 8530-W-75 is capable of providing ultra-low (<50g/L) or zero Volatile Organic Components, pigmented or clear coatings. It is easy to handle, water-reducible and offers superior application properties when applied by roller, brush, or spray equipment. EPIKURE 8530-W-75 offers fast dry times, hardness development, corrosion resistance, and excellent adhesion to metal, concrete and other masonry substances.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion Inc web site for Shelf Life and recommended Storage information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. ("Hexion Inc") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

Available in bulk and drum quantities.

Contact Information

For product prices, availability, or order placement, visit the "Contact Us" section of our website. For literature and technical assistance, visit our website at: www.Hexion.com/epoxy