



D.E.H.™ 802

Epoxy Curing Agent

Description

D.E.H.™ 802 Epoxy Curing Agent is a polyamine adduct waterborne curing agent with optimized rheology specially designed to provide superior performance in roller applications. It can be used with liquid Bisphenol A and/or Bisphenol F epoxy resins. It is supplied at 50 % solids in water.

Advantages

- Hardener for epoxy resins and resin emulsions
- Contains no organic solvents
- Polyamine adduct curing agent dissolved in water

Typical Applications

This product is suitable for use in applications such as:

- Impregnation of concrete
- Concrete Flooring
- Self-Leveling Flooring
- Epoxy mortars
- Protective coatings for steel

Typical Properties

Property ⁽¹⁾	Method	Value
Appearance	Visual	yellow
Color, Gardner		< 8
Density @ 25°C (g/ml)	ASTM D4052	1.09
Viscosity @ 25°C (mPa·s)	ASTM D445	5000
Amine value [mgKOH/g]	ISO 9702	170
Amine Hydrogen Equivalent Weight	Calculated	300
Shelf Life (Months)		6

(1) Typical properties, not to be construed as specifications.

Typical Handling Properties

Property	Method	Value
		D.E.R.™324
		D.E.H. 802
Gel Time (min/100 g mass @25°C) ²		109
Mix ratio, phr (weight)		150

(2) Tested by Paul N. Gardner Standard Model Gel Timer

Typical Performance Properties³

Property ⁽³⁾	Method	Value
		D.E.R.™ 324
		D.E.H. 802
Mix ratio, phr (weight)		150
Film appearance	Visual	Semi -glossy
Blushing		
@ 25° C/50% relative humidity		No
@ 25° C/95% relative humidity		No

⁽³⁾ Unless otherwise specified, properties obtained after more than 7 days cure at ambient temperature

Safety and Handling

The Dow Chemical Company provides its customers with a product specific Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) to cover potential health effects, safe handling, storage, use and disposal information. Dow strongly encourages its customers to review the MSDS or SDS on its products and other materials prior to their use.

This curing agent should retain its chemical properties for a period of at least 6 months.

For further handling information, consult the Dow brochure entitled, *DOW Epoxy Curing Agents Product Stewardship Manual, Safe Handling and Storage*, Form No. 296-01331 and the Dow technical bulletin, *Product Coding, Shelf-life and Storage Stability*, Form No. 296-01657.

Product Stewardship

The Dow Chemical Company has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis of our Product Stewardship philosophy by which we assess the health and environmental information on our products and then take the appropriate steps to protect employee and public health and the environment. The Dow Chemical Company has enduring commitments to Responsible Care® in the management of chemicals worldwide. Our Product Stewardship program rests with every individual involved with Dow products from the initial concept and research to the manufacture, sale, distribution, and disposal of each product.

Customer Notice

Dow encourages its customers and potential users of Dow products to review their applications for such products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel are available to assist customers in dealing with ecological and product safety considerations. Your Dow sales representative can arrange for the proper contacts. Dow literature, including MSDS or SDS, should be consulted prior to the use of Dow products.

Medical Application Policy

Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- (a) permanent (long term) contact with internal body fluids or internal body tissues. Long term is a use which exceeds 72 continuous hours;
- (b) use in cardiac prosthetic devices regardless of the length of time involved (cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems and ventricular bypass assisted devices);
- (c) use as a critical component in medical devices that support or sustain human life; or
- (d) use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Additionally, all Products intended for use in pharmaceutical applications must pass the then current Pharmaceutical Liability Guidelines. For additional information please contact your regular Dow representative.

Food Contact Applications

This epoxy curing agent will not comply with the U.S. Food, Drugs and Cosmetics Act as amended under Food Additive Regulation 21 CFR 175.300.

Also consult the Dow data sheet, *Food Additive Status for Epoxy Resins, Curing Agents and Epoxy Novolac Resins*, Form No. 296-01425.

Regulatory Status

For more information on the regulatory status of this product, please refer to the MSDS or SDS for this product.

Chemical Inventory Listing

United States	TSCA
Europe	EINECS

(1) Please refer to the MSDS or SDS for this product to ensure this CAS number is consistent with the product(s) you use.

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