



MAINCOTE™ AEH-10 Resin

Waterborne Acrylic-Epoxy Hybrid Resin for Two-Component Crosslinked Coatings

Description

MAINCOTE™ AEH-10 Resin is a waterborne dispersion of an acrylic-epoxy hybrid polymer designed for high performance two-component coatings useful in residential, commercial and industrial coatings applications. The unique acrylic-epoxy hybrid technology facilitates the formulation of low VOC coatings with long pot-life, fast dry and hardness development, and excellent durability properties including resistance to chemicals, solvents and weathering. Versatility in the selection of curing agent allows the formulation of coatings with a range of properties. MAINCOTE AEH-10 Resin is an epoxy-functional material that can be crosslinked with typical epoxy hardeners, including amine-based hardeners and acid-functional crosslinkers such as acrylic latexes. The ease of formulation and excellent balance of properties facilitated by MAINCOTE AEH-10 Resin make it an excellent choice for coatings used in a variety of residential, commercial and industrial applications.

Features and Benefits

- Low VOC capability (near zero to 50 g/L)
- Increased productivity with long pot-life and fast return to service
- Fast cure and dry time, excellent hardness development
- Excellent UV resistance and exterior durability
- Stable, easy to use waterborne dispersion, with low viscosity for easy 2K mixing
- Cost-effective two-component coating solution
- Potential for multi-substrate use in residential, commercial architectural and industrial applications

Typical Physical Properties

These properties are typical but do not constitute specifications.

Property	Typical Values
Appearance	White milky liquid
Solids	52.0
pH	6.8
Viscosity (Brookfield, #2/60rpm)	<1000 cP
Epoxy Equivalent Weight (g/equiv., as supplied)	1180
MFFT	12°C
Density (lbs/gal)	8.90

Potential Applications

- Residential Garage Floor Coatings
- Commercial and Institutional Wall Coatings
- Industrial Maintenance Finishes for steel and concrete
- Commercial Architectural Finishes for metal and concrete
- Commercial and Industrial Floor Coatings
- Pavement Markings
- Transportation Finishes (e.g., railcar, shipping containers)
- General Industrial Finishes for metal

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MAINCOTE™ AEH-10 Resin / Dow Coating Materials

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**Handling
Precautions**

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.

**Chemical
Registration**

Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Product
Stewardship**

Dow 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 for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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