



Product Data Sheet

MAINCOTE™ AE-58 Emulsion

Waterborne Acrylic Copolymer for Industrial Coatings

Introduction

MAINCOTE™ AE-58 Emulsion is an aqueous acrylic emulsion copolymer which can be crosslinked with waterborne dispersions of epoxy resin in two-component acrylic/epoxy coatings. The resulting acrylic/epoxy coatings have properties such as low VOC, long pot life, and outstanding hardness, UV durability and solvent/chemical resistance. The high performance coatings can be used in a variety of interior and exterior applications for metal and concrete surfaces, such as institutional wall coatings and industrial metal primers, topcoats and direct-to-metal (DTM) coatings.

Features & Benefits

- Long pot life
- Excellent chemical, stain and solvent resistance
- Durable finish that withstands repeated cleaning
- Fast hardness development and excellent film hardness
- Low VOC and low odor
- Rapid low temperature property development
- Very good exterior durability – resistance to gloss loss, chalking and color change
- Excellent water and corrosion resistance

Typical Physical Properties

These properties are typical but do not constitute specifications.

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids Content, %	42.5
pH	7.5
Viscosity, cP (#2 Spindle @30 rpm, 25°C)	< 600 cP
Weight per U.S. Gallon (wet, lbs/gal)	8.60
Bulking Value (wet), gal/lbs	0.116
Bulking Value (dry), gal/lbs	0.111
Equivalent Weight (g/eq., on solids)	1700
MFFT (°C)	40

Potential Applications

- Industrial Maintenance Finishes for steel and concrete
- Commercial and Institutional Coatings for concrete, masonry, metal and drywall
- Wall Coatings for high traffic areas
- Floor Coatings
- General Industrial Finishes for metal
- Transportation Coatings (e.g., railcar, shipping containers)

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

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