

CoatOSil™ DRI Waterborne Silicone Resin

Product Description

CoatOSil DRI waterborne silicone resin is a cross-linked, film-forming silicone emulsion that can be used as a sole binder in unfilled elastomeric/thermal resistant formulations. Additionally, it can be used as a co-binder or an additive in filled waterborne formations to enhance water resistance and durability. Compared to other silicone fluid emulsions, CoatOSil DRI does not compromise dirt pickup or recoatability, allowing it to be utilized at higher loadings.

Key Features and Typical Benefits

- Enhances water, UV and mar resistance
- Compatibility with a variety of waterborne systems
- Excellent thermal resistance
- Improves block resistance

Typical Physical Properties

Appearance	White, opaque liquid
Actives Content, %wt	~ 45%
Density (gm/cm ³) at 25 °C	1.1
Viscosity at 25 °C	~ 20 cps
pH at 25 °C	~11

Typical properties are average data and are not to be used as, or to develop, specifications.

Potential Applications

- Architectural Coatings
- Wood Coatings
- Concrete Coatings
- Roof Coatings

General Considerations for Use

Typical dosages of CoatOSil DRI waterborne silicone resin are between 5% and 30% when used as a co-binder in latex systems to improve water and UV resistance.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent without authority from the owner of the patent.

Product Safety, Handling, and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in MyMomentive™ Order Management Site. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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