

## CoatOSil™ FF 630 Silicone Emulsion

### Product Description

**CoatOSil FF 630 is a crosslinked, 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. Comparing to other silicone fluid emulsions, CoatOSil FF 630 does not compromise dirt pickup or re-coatability, 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**
- **Low cyclic siloxanes content**
- **Excellent thermal resistance**

### Typical Physical Properties

| Property                                  | Value                       |
|-------------------------------------------|-----------------------------|
| <b>Appearance</b>                         | <b>Milky white emulsion</b> |
| <b>Viscosity, cP at 25 °C</b>             | <b>&lt;100</b>              |
| <b>Solids Content, wt%</b>                | <b>45</b>                   |
| <b>pH</b>                                 | <b>11</b>                   |
| <b>Density, g/cm<sup>3</sup> at 25 °C</b> | <b>1.1</b>                  |

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

### Potential Applications

- **Waterborne architectural and wood coatings**
- **Waterborne concrete coatings and sealers**
- **Waterborne industrial coatings**
- **Waterborne sealants**

### General Considerations for Use

**CoatOSil DF 120 can be added either in grinding or letdown stage. Recommended usage level is 0.1 to 0.5 wt% based on total formulation weight which needs to be optimized based on the system. Some settling of the contents may occur with time, but the product can easily be reconstituted by simple mixing.**

**Typical dosage of CoatOSil FF 630 should be optimized based on desired balance of properties. It can be used as a sole binder only for unfilled to slightly filled formulations. As an additive or co-binder, loadings between 5% to 20% can be tried based on total formulation weight. CoatOSil FF 630 can be diluted with water (ex: 1-part CoatOSil FF 630 with 9-parts water) and applied directly on masonry substrate as a water repellent.**

#### 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](http://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 the Order Center. Use of other materials 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 applications.***

Customer Service Centers

For additional information, please contact our Customer Service Team

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                               |
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