

Product Information

Water Repellents

Dow Corning® IE-6694 Water Repellent Emulsion

FEATURES

- Low VOC – meets California South Coast AQMD requirements
- Fast beading action
- Excellent water repellency
- Water based, easy to use
- Dilutable; dilution stable
- Effective at concentrations as low as 3% actives
- No SiH – vented containers not required

COMPOSITION

- 60% active, water-dilutable silicone emulsion

60% active, low-VOC, water-dilutable silicone water repellent for porous construction materials

APPLICATIONS

- Imparting water repellency to porous construction materials such as bricks, stone, concrete blocks, mortar and grout

TYPICAL PROPERTIES

Specification Writers: Please contact your local Dow Corning Sales Application Engineer or Dow Corning Customer Service before writing specifications on this product.

Test	Unit	Result
Color		Milky white
Active Ingredient	percent	60
Volatile Organic Content (VOC)	g/L	<100
Specific Gravity at 25°C (77°F)		1.02
pH		4-6
Flash Point, closed cup	°C (°F)	>100 (212)
Solvent (Thinner)		Water

DESCRIPTION

Dow Corning® IE-6694 Water Repellent Emulsion is a 60% active, water-dilutable silicone water repellent that imparts penetrating water repellency for treatment of concrete, masonry and stone construction materials.

Dow Corning IE-6694 Water Repellent Emulsion meets the stringent California South Coast AQMD VOC requirements for water repellent products.

HOW TO USE

Dow Corning IE-6694 Water Repellent Emulsion can be diluted with water, incorporated into building materials or used as an ingredient in the formulation of water-repellent, water-based primers, paints and coatings.

For post-treatment applications, dilutions with 3 to 10% actives content are typical, depending on the porosity of the substrate and your performance requirement. An actives level of 5%

(1 part *Dow Corning IE-6694 Water Repellent Emulsion* to 11 parts water) is usually adequate for general-purpose formulations.

To build hydrophobic qualities into concrete blocks, artificial stones or other building components, *Dow Corning IE-6694 Water Repellent Emulsion* can be admixed during manufacture at an actives level of 0.1 to 1%.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT WWW.DOWCORNING.COM, OR FROM YOUR DOW CORNING

SALES APPLICATION ENGINEER,
OR DISTRIBUTOR, OR BY
CALLING DOW CORNING
CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored between 0 and 35°C (32 and 95°F) in the original unopened container, *Dow Corning* IE-6694 Water Repellent Emulsion has a usable life of 12 months from the date of manufacture.

For best results, protect from freezing. If the product does freeze, it can be reconstituted with thawing and mild agitation. Check for efficacy before use.

PACKAGING

Dow Corning IE-6694 Water Repellent Emulsion is available in 20-, 200- and 1000-kg (44.1-, 440.9- and 2206-lb) containers, net weight.

LIMITATIONS

Dow Corning IE-6694 Water Repellent Emulsion is not suitable for very low-porosity substrates such as polished stone.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

SHIPPING LIMITATIONS

Protect from freezing.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com, or consult your local Dow Corning sales office.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this

information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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