



XIAMETER[®] MEM-1581 Emulsion

Emulsion of polydimethyl siloxane

FEATURES

- Good water repellency compared to standard silicone emulsions
- Compatible with most phenolic resin binder solutions
- Retains hydrophobing properties after processing at high temperatures

BENEFITS

- Effective water repellency at low addition rates
- Performance is achieved without the need to change binder treatment or processing steps

APPLICATIONS

- Hydrophobic treatment of glass wool and mineral wool insulation.
- Especially recommended where elevated application temperatures occur, such as in the manufacture of fiberglass boards and mats.

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local XIAMETER[®] sales representative prior to writing specifications on this product.

Test	Unit	Value
Appearance		Milky white liquid
Silicone content	%	40
pH		6.3
Viscosity at 25°C (rotational)	mPa.s	800
Specific gravity at 25°C (77°F)		0.996
Diluent		Water

DESCRIPTION

XIAMETER[®] MEM-1581 Emulsion is an aqueous emulsion of polydimethyl siloxane. It has been developed to give hydrophobicity for glass and mineral wool.

When applied on its own, this product imparts effective hydrophobicity using low levels of silicone concentration. It is effective at addition rates as low as 0.2% by weight of silicone in the total treatment solution. In addition, it retains these hydrophobing properties after processing at high temperatures.

HOW TO USE

If used in a resin system, XIAMETER MEM-1581 Emulsion can be added 'as supplied' or prediluted in water. Although this emulsion has good bath stability with some phenolic resins it may be necessary to mix it with the

resin immediately before coating the substrate.

As a starting addition rate, it is recommended that 1 part XIAMETER MEM-1581 Emulsion is added to 100 parts of treatment solution.

PRODUCT SAFETY INFORMATION

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, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE XIAMETER WEB SITE AT WWW.XIAMETER.COM.

STORAGE

Protect this product from freezing.

Product should be stored between 5°C and 35°C in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER Web site in the Product Detail page under Sales Specification.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. Not intended for human injection. Not intended for food use.

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 our 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 our products will meet the 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.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.