

**BLUESIL™
EMUL 269****Water Repellent**Technical Data Sheet n° SIL 18 044 3 - June 2018
Cancels and replaces SIL 18 025 3

Description	BLUESIL EMUL 269 is an aqueous macro-emulsion of an hydrogeno-polysiloxane.
Examples of applications	<ul style="list-style-type: none"> • Fluorine-free, wash-durable water repellency of textiles when used in conjunction with BLUESIL CATA 2812. • Water repellent treatment of plaster (for plasterboards and other plaster elements manufacturing). • Water repellent treatment of fibers or mineral fillers. • Crosslinker for hydroxyl terminated silicones. • Adhesion promoter for silicone elastomers on rubber and other polar surfaces.

Key benefits	<p>BLUESIL EMUL 269 provides the following benefits on fabrics when used in conjunction with BLUESIL CATA 2812:</p> <ul style="list-style-type: none"> • Imparts excellent water repellency on all type of fabrics and is especially suitable for cotton and cotton blends. • The imparted water repellency has good resistance to washing. • Gives a soft hand-feel and maintains the breathability of treated fabrics for comfortable wear. • May improve fabric tear strength. <p>BLUESIL EMUL 269 will provide an excellent and durable water repellency to plaster based products.</p>
---------------------	---

Typical properties	<p>Appearance milky-white liquid</p> <p>Emulsifier type non-ionic</p> <p>Solid content (150°C, 1g – 30 min, %, approx.).....50</p> <p>Specific gravity (At 25°C, Kg/m³, approx.).....1.0</p> <p>pH (approx.).....3.5</p>
---------------------------	---


Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instructions of use	<p>Application to textiles by padding:</p> <p>It is recommended to use BLUESIL EMUL 269 with BLUESIL CATA 2812.</p> <p>The typical quantity of BLUESIL CATA 2812 is 40-50% of that of BLUESIL EMUL 269.</p> <p>The concentration in the bath should be adjusted to give a pick-up of 1-2% by weight silicone on the fabric. Typically this will be achieved with doses of 15 g/l to 45 g/l of BLUESIL EMUL 269 in the bath.</p> <p>Preliminary tests are recommended to define optimum concentrations.</p> <p>The pH of the bath should be adjusted to approximately to 5.</p> <p>Water repellency should be measured 24 hours after treatment.</p>
----------------------------	---

BLUESIL™ EMUL 269

Instructions of use (cont')	<p><u>Water repellent treatment of plaster</u></p> <p>Good water repellent properties are obtained by adding 0.3% to 0.8% of BLUESIL EMUL 269 relative to the amount of plaster powder.</p> <p>The quantity of water repellent varies accordingly to the grade of plaster, the plaster/water ratio and the additives. In some cases, the plaster rheology may be modified. Preliminary tests are thus necessary.</p>
Packaging	BLUESIL EMUL 269 is available in 1000 kg containers with a vented closure.
Storage and shelf life	<p>When stored in its original packaging at a temperature of between +2°C and +30°C, BLUESIL EMUL 269 may be stored for up to 12 months from its date of manufacture.</p> <p>Comply with the storage instructions and expiry date marked on the packaging.</p> <p>Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.</p>
Safety	Please consult the Safety Data Sheet of BLUESIL EMUL 269 .

Visit our website www.silicones.elkem.com

 **EUROPE**

Elkem Silicones France
21 Avenue Georges Pompidou
F69486 Lyon Cedex 03
FRANCE
Tel. (33) 4 72 13 19 00
Fax (33) 4 72 13 19 88

 **NORTH AMERICA**

Elkem Silicones USA
2 Tower Center Boulevard
Suite 1601
East Brunswick, NJ 08816-1100
United States
Tel. (1) 732 227-2060
Fax. (1) 732 249-7000

 **LATIN AMERICA**

Elkem Silicones Brazil Ltda.
Av. Duquesa de Goiás, 716
2º andar
05680-002 Sao Paulo
Brazil
Tel. (55) 11 4380-6900

 **ASIA PACIFIC**

*Elkem Silicones (Shanghai)
Co. Ltd.*
3966, Jindu Road, Xinzhuang
Industrial Zone, Shanghai
Tel. (86) 21 5442 6600
Fax (86) 21 5442 3733

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.