

PRODUCT DESCRIPTION

CSL 405 is used as a hydrophobic agent in construction applications to make the mineral and concrete substrates water repellent.

FEATURES

CSL 405 is hydrophobic giving very good water repellency features, CSL 405 is used to modify the construction surface e.g. concrete and masonry substrates to form a protective surface surrounding mineral particles.

BENEFITS

- Very good water repellency on concrete, bricks, masonry substrates, etc.
- Very easily dissolvable in various organic solvents

PHYSICAL PROPERTIES

(Typical properties - values not to be used as specifications)

Specific Gravity at 20°C	0.875
Refractive index at 25°C	1.415
Viscosity at 25°C	2 cSt
Flash Point	>65°C
Molecular Weight	276.6

HOW TO USE

CSL 405 will be hydrolyzed when combined with water under to form silanol reactive group and released by product as ethanol which silanol groups will be able to bond inorganic fillers or substrates while octyl functional group will be compatible with organic polymers or create water repellency structure on the treated surface.

APPLICATION

Sealers for Construction Materials

CSL 405 is excellent penetrating sealer to be used for bricks, stone, concrete, masonry substrates e.g. highway bridge decks, airport runways, etc. which the containing mineral particles are able to react with the inorganic groups in CSL 405. Sealer can be easily prepared by dilution of 10-50% wt. CSL 405 into organic solvents e.g. mineral spirits or alcohols, then apply the sealer solution on substrates and leave it dry properly. Also for any existing sealer, the performance of water repellency can be improved by CSL 405 addition into the sealer.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in accordance with the advice given in this document, the Safety Data Sheet (SDS) and the container(s), and should not be used without reference to the SDS that CSL Silicones Inc. has provided to its customers. **KEEP OUT OF REACH OF CHILDREN.**

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards & regulations.

If in doubt regarding the suitability of use of this product, consult CSL Silicones Inc. for further advice.

STORAGE

CSL 405, must be stored in dry and cool (approx. 20-25 ° C) condition. After opening, avoid exposure to atmospheric moisture. Inert gas e.g. N2 gas is required to purge into the container after opening to prevent hydrolysis by moisture.

PACKAGING

CSL 405 is available in 19L (5 US gallon) pails.

WARRANTY

CSL Silicones Inc. warrants that its products will meet its specifications. CSL shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, CSL's liability, expressed or implied, is limited to the stated selling price of any defective goods.

Data is subject to change without notice and it is therefore recommended that this information not be used for specification writing. For additional information on specific applications, contact the manufacturer.

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this document without first obtaining written confirmation from CSL Silicones Inc. as to the suitability of the product for the intended purpose does so at his/her own risk. The information contained herein has been prepared in good faith to comply with applicable federal and provincial (state) law(s). However, no warranty of any kind is given or implied and CSL Silicones Inc. will not be responsible for any damages, losses or injuries that may result from the use of any information contained herein. While CSL endeavors to ensure all advice it gives about the product (whether in this document or otherwise) is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless CSL specifically agrees in writing to do so, it does not accept any liability whatsoever or howsoever arising for the performance of the product, or for any consequential loss or damage arising out of the use of the product. Any warranty, if given or specific Terms & Conditions of Sale are contained in CSL's Terms & Conditions of Sale, a copy of which can be obtained upon request. The information contained herein is liable to modification from time-to-time in light of experience and CSL's policy of continuous product improvement. It is the user's responsibility to check that this document is current prior to using the product. This document must not be used for specification writing.

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