



Product description	SI1400Z Water repellent for construction is effective, easy-to-use silicone emulsion.
Applications	-By dilution with water, as high-solid Water repellent is available in various materials -For use on mineral substrates such as brick, clay, stone, concrete and mortar that require water repellency
Key performance properties	Good storage stability with no creaming or severe oiling. Good dilution stability Making eternal water repellent layer

Typical Property Data

Benefits	-Wonderful surface repellency -Penetrating and breathable -Protecting against penetratingdamp -Easy to use -Reducing spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate		
Typical properties	Property	Test method	SI1400Z
	Appearance	ASTM E1767-04	Milky white liquid
	Active content (%)	ASTM D6196-03	40
	Viscosity (cP)	ASTM D4016-02	10 ~ 100
	Specific gravity (25 °C)	ASTM D153, D792	0.96 ~ 1.00
		-	Water
* Typical properties should not be used as specifications They are evaluated in laboratory, and can be differ from test condition.			

Composition	- Silicone
How to use	SI1400Z Emulsion is used in a wide variety of applications because of their intermediate viscosity and water-dilutable, stable forms. As water repellent, these emulsions may be applied in low concentrations by spraying, dipping, brushing or wiping. SI1400Z dilutes and it uses. (Dilution ratio - SI1400Z : water = 1 : 4 ~ 6) a. Surface Preparation - Remove any dust, humidity, oil and other contaminants from surface to be coated. - Concrete : Must be cured at least 28 days at 20°C/68°F and below 80% R.H. Moisture content of the concrete surface must be below 6%. b. Application Condition - The surface must be completely clean and dry. - Do not apply when relative humidity is above 80%. - The surface temperatures must be at least 3°C(5°F) above dew point to prevent condensation. c. Method of Application : Brush, Roller and spray application. d. Film Thickness : Recommended per coat 8 microns dry.

Features	- Water dilutable
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Storage and packaging

Shelf life and storage	Use it within 12 months from the day of manufacture. Store between 5 °C and 30 °C in a cool dry place without direct sunlight. Keep out of the reach of the children
Packaging	18 kg Pail, 180 kg Drum

Remarks

Handling	- For the purpose of water protective, avoid to apply it where is stagnated for a long time or any place being affected by water pressure.
Precautions	- Store in original unopened containers in a dry place. Temperature should not exceed 30 °C for prolonged periods. - Keep in place that child's hand does not touch and never ingest or do not touch in skin. - Keep or do work at neighborhood of heat or fire. - Do not use besides service. - Do not inflict shock in receptacle. - Avoid direct ray of light and keep in state that is tightly shut in place that moisture is less. - Do not mixing with other products. - Wash cleanly after work. - Abolish through waste processing company. - As change in quality can be at long term storage, use in validity. - Handle according to good industrial hygiene practice. - The material safety data sheet is available from your KCC representative, or distributor, or by writing to KCC customer service, or by calling. (82)-80-022-8200

* Inquire other questions to customer service.

* When there is something wrong to product, it compensated by compensation regulation.

**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 KCC's products are safe,

effective, and fully satisfactory for the intended end use.

KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time

of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any

product shown to be other than as warranted.

KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose

or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for

use, KCC disclaims liability for any incidental or consequential damages.

Suggestions of use shall not be taken as inducements to infringe any patent.

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Revision

* Please refer to MSDS if you want to know more specific usage or caution.
for further information, please see our website. www.kccworld.co.kr

