

CAT. No. ST-04-2010

RITARGEL

Concrete Surface Retarder

RITARGEL is a dispersion of highly active set-retarding substances in an organic carrier. It has a soft gel consistency specially suitable for application on complex shaped molds to avoid run-downs and ensure uniform coating. **RITARGEL** is specially formulated for the production of exposed aggregate finishes, keying construction joints and keyed background for plaster finishes. It is applied directly on steel, plastic or wood form to delay the setting time of the surface of wet concrete.

USES

RITAGEL is used to create exposed aggregate finishes on precast panels, to roughen concrete walls for subsequent plastering and keying construction joints.

ADVANTAGES

- Soft gel consistency suitable for complex shaped molds.
- Fast drying.
- Provides up to 10mm depth penetration.
- Ready to use straight from the can.
- Reduces cost of surface preparation like scabbling, sand blasting etc.
- Good adhesion. Will not come off from molds during concrete casting operations.
- Can be applied over steel, plastic and wood forms.
- High coverage

DIRECTION FOR USE

Molds should be clean and free from oil, dirt or hardened concrete. Untreated new wood forms should first be coated with ISOREX UMO mold release agent. Before using, stir **RITARGEL** manually to ensure homogeneity. Apply **RITAGEL** evenly by brush onto the mold. After releasing the concrete from the mold (generally within 48 hours), remove the retarded surface mortar using high pressure water jet or scrubbing with a stiff brush simultaneously washing with clean water. Precast panels should be stripped from the molds in their usual time.

CLEANING

Any retarded mortar left on the mold should be immediately removed by scraper and water.

COVERAGE

The depth of penetration of **RITAGEL** is dependent on concrete mix design and field trials should be made. As a guide, the following coverage rate should be examined.

2 - 4 mm ETCH	10 to 12 square meter per liter
5 – 10	6 to 8 square meter per liter

(Note: For optimum result, concrete should be casted on **RITARGEL** treated molds immediately after drying (typically 12-24 hours).

PACKING/SHELF LIFE

RITARGEL is packed in 20 liter container and has a shelf life of 12 months in sealed, original packing stored in standard warehouse condition below 32⁰ Celsius.

HEALTH/ SAFETY

As with all chemical products, avoid contact with skin, eyes and mouth. Accidental splashes should be washed clean with clean water. Wear safety goggles and rubber gloves. Refer to MSDS for more information.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

ISOLA SOLUTIONS W.L.L

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: isola@hajihassan.com, web: www.isolasolutions.com