



The Chemical Company

RHEOFINISH® 380 (Expose)

Surface retarder for horizontal exposed aggregate concrete surfaces

DESCRIPTION

RHEOFINISH 380 is a water based chemical retarder used to expose the aggregate in horizontal concrete surfaces. **RHEOFINISH 380** delays the set of the mortar paste on the surface to a controlled depth. **RHEOFINISH 380** does not kill the set of the main concrete. The retarded mortar paste may be removed by washing and brushing after the set of the concrete to expose the aggregate.

RECOMMENDED FOR

RHEOFINISH 380 is ideally suited for exposing aggregate on horizontal 'kicker' and construction joints thus ensuring good bonding of the fresh concrete, eliminating the requirement for mechanical preparation of these surfaces. **RHEOFINISH 380** may also be used on concrete slabs prior to the granolithic application of a screed or thick layer surface topping. **RHEOFINISH 380** is ideal for the production of exposed aggregate architectural finishes on horizontal surfaces or on pre-cast panels produced in a horizontal plane.

FEATURES AND BENEFITS

- Produces consistent textured exposed aggregate surface
- Easy to use
- Economic
- Excellent bond of fresh concrete to exposed surfaces
- Controlled depth of retardation
- Water based

SPECIFICATION

Supply form reddish-purple liquid.

APPLICATION

Apply a uniform application of **RHEOFINISH 380** to the freshly placed horizontal concrete surface prior to initial set, as soon as free-bleed water is dried. A low-pressure garden sprayer is ideal for the application; alternatively a soft bristled broom can be used.

Once the concrete has set (within 12 hours) the soft cement paste may be brushed off.

The surface should then be washed using high-pressure water to wash away the remaining paste exposing the aggregate.

The treated concrete surface should be protected from excessive drying effects and it may be necessary to use a higher application rate to achieve the desired result. The exposed aggregate surface following treatment should be cured in the normal manner with **MASTERKURE 402**. Use **MASTERSEAL 1120** to maintain high quality glossy appearance.

NOTE: Retarded concrete will eventually harden so the surface should be checked periodically to determine the degree of exposure. Hardened treated surfaces will show patchiness and uneven effects.

ESTIMATING DATA

RHEOFINISH 380 should be applied at a consumption of 0.2-0.3L/m² (this will provide approximately 5mm depth of retardation). In windy or hot conditions it is recommended to apply at a rate of 0.3L/ m² and if unable to remove surface paste in the short term (6-8 hours) then two applications should be used.

CLEANING

Application equipment may be cleaned with water. **RHEOFINISH 380** should not be stored for long periods in metal containers.

SHELF LIFE

RHEOFINISH 380 can be stored for 18 months in unopened, original containers.

PACKAGING

RHEOFINISH 380 is available in 20L plastic pails and 205L drum (plastic lined).

PRECAUTIONS

- 1) **RHEOFINISH 380** is slightly alkaline. Avoid contact with skin and eyes. Wear protective goggles, impervious footwear and gloves when handling.
- 2) If poisoning occurs seek medical advice. If swallowed, do not induce vomiting - give a glass of water.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.



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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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