



The Chemical Company

MasterFinish[®] 380 (Formerly RHEOFINISH 380 / MBT Expose)

Surface retarder for horizontal exposed aggregate concrete surfaces

DESCRIPTION

MasterFinish 380 is a water based chemical retarder used to expose the aggregate in horizontal concrete surfaces. **MasterFinish 380** delays the set of the mortar paste on the surface to a controlled depth. **MasterFinish 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 USES

MasterFinish 380 is ideal for the production of exposed aggregate architectural finishes on horizontal surfaces or on pre-cast panels produced in a horizontal plane.

MasterFinish 380 may also be used on concrete slabs prior to the granolithic application of a screed or thick layer surface topping.

MasterFinish 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.

FEATURES AND BENEFITS

- Controlled retardation of concrete surface - Produces consistent textured and attractive exposed aggregate surface
- Easy to use – simple spray application
- Economic – only 250ml per square meter
- Consistent exposed aggregate surface - improved bond of fresh concrete to exposed surfaces
- Controlled retardation of surface set – no residual retardation to interfere with subsequent toppings or concrete pours
- Water based – simple clean up

PROPERTIES

Supply form: Reddish-purple liquid.

APPLICATION

Apply a uniform application of **MasterFinish 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 remove 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**. Also use **Masterkure 402** to maintain a high quality glossy appearance.

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

ESTIMATING DATA

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

PACKAGING

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

SHELF LIFE

MasterFinish 380 can be stored for 12 months in unopened, original containers. Do not allow to freeze, if frozen discard.

PRECAUTIONS

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 Material Safety Data Sheet (MSDS) from our office or our website.



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