



The Chemical Company

MBT EXPOSE

Surface retarder for horizontal exposed aggregate concrete surfaces

DESCRIPTION

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

MBT Expose 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. **MBT Expose** may also be used on concrete slabs prior to the granolithic application of a screed or thick layer surface topping. **MBT Expose** 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 DIRECTIONS

Apply a uniform application of **MBT Expose** 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

MBT Expose 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. **MBT Expose** should not be stored for long periods in metal containers.

SHELF LIFE

MBT Expose can be stored for 18 months in unopened, original containers.

PACKAGING

MBT Expose is available in 20L plastic pails and 205L drum (plastic lined).

PRECAUTIONS

- 1) **MBT Expose** 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.
- 3) Refer to Material Safety Data Sheet for full safety and First Aid instructions.



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All BASF Construction Chemicals Australia & New Zealand data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue AExp/8/1006

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** 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 Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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