

mart-WATERBLOCK

PORE BLOCKING WATER PROOFER

DESCRIPTION

mart-WATERBLOCK renders mortar and concrete highly resistant to capillary action and reduces, or even eliminates, infiltration of water under pressure. The fine particles contained in **mart-WATERBLOCK** combines with the lime in cement to form water repellent particles. These obstruct the capillary action within concrete and prevent water from penetrating. **mart-WATERBLOCK** does not significantly modify the characteristics of fresh concrete and mortar, nor the compressive strength.

APPLICATION GUIDELINES

Use:

- All types of cements.
- Concrete for foundations under the water table.
- Concrete for reservoirs, tanks, etc.
- Sealing grout for tanks.
- Concrete and mortar in regular contact with water.

DIRECTIONS

Dosage: 0,3 to 3.5 kg per 100 kg of cement.

A 1.5% dosage of the product of the weight of cement is commonly used.

- **mart-WATERBLOCK** is completely miscible in water.
- It must be added to the mixing water.
- Water content must be determined according to the workability required.

PRECAUTIONS

- When stored over a long period (bulk or barrels), before use, agitate lightly or circulate the product using a pump to make it completely homogeneous.
- Should the product freeze, it will recover its properties after thawing and agitating.
- Shelf life: 18 months.

PACKAGING

- Bulk
- Drums of 60 litres
- Barrels of 215 litres

PHYSICAL AND CHEMICAL PROPERTIES

- Nature: Liquid
- Colour: Iridescent blue
- Density (@20 °C): 1.010 ± 0.010
- pH: 8.5 ± 1.0
- Freezing point: about $-1\text{ }^{\circ}\text{C}$
- Cl⁻ ions content: $<0.10\%$
- Na₂O equivalent: $\leq 0.1\%$
- Dry extract (24h, 105 ° C): $6.0\% \pm 0.6\%$
- Dry extract (EN 480-8): $6.4\% \pm 0.6\%$

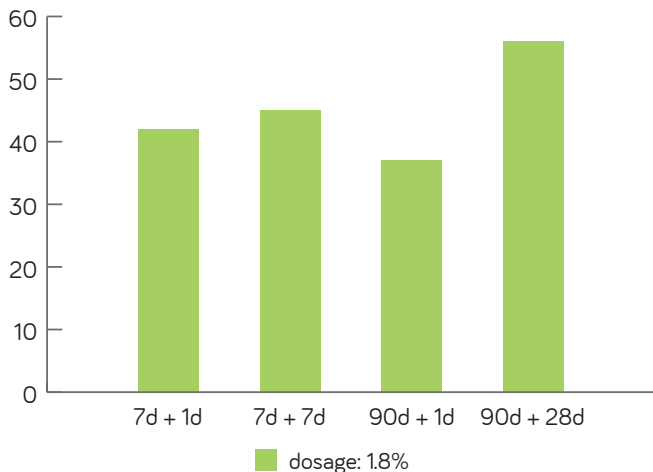
TECHNICAL DATA SHEET

mart-WATERBLOCK

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TESTS

- Capillary absorption test for B-based mortar, expressed in days immersed in water + days exposed to air.
- Conform to the EN 480-5 specification.



REFERENCES

- Channel Tunnel
- Refining Stations

CONFORMITY

- **mart-WATERBLOCK** is a water repelling admixture which conforms to EC marking.
- The appropriate declaration can be found on our internet site.

HEALTH AND SAFETY

- **mart-WATERBLOCK** is classified as “harmless”. It is recommended to wear the normal protective equipment.
- For further information, please refer to the material safety data sheet.

Disclaimer: The information contained in this document is given to the best of Mart Solutions' knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving Mart Solutions' liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Mart Solutions specialists are at the disposal of the users in order to help them with any problems encountered.