

PRODUCT DATA SHEET

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BLOCKWATER



DESCRIPTION OF THE PRODUCT

Ultra-rapid setting, waterproofing, cement-based premixed mortar for the immediate stopping of water seepage. Developed by WINKLER Research & Development Laboratories.

FIELDS OF USE

Ultra-rapid setting, high-strength product for blocking localized water infiltrations or seepage, even under pressure, from cracks, fissures, or leaks. Suitable for application on concrete and masonry surfaces.

SURFACE PREPARATION

Thoroughly clean the surface to remove salts, oils, fats, loose or friable material, and any foreign or non-adherent substances. To ensure a better seal, it is recommended to widen the "dovetail" joint.

WARNING

- Do not add cement or any additives.
- Do not use the product if the packaging is damaged.
- Do not add water once the paste begins to set.
- Do not apply on asphalt or bitumen-treated surfaces.

PRECAUTIONS

Apply at temperatures between +5°C and +35°C. Protect the surface from sun and wind for the first 24 hours; if necessary, continue moistening the surface even after application. Store the product before use in a frost-free environment, protected from humidity. Mix with cold water. Fresh mortar can be removed from tools with running water. After hardening, cleaning can only be done mechanically.

APPLICATION

Mix by hand for approximately 40-50 seconds with clean water (21%) until a perfectly homogenous, lump-free mixture is obtained. Apply manually a glove, pressing firmly for approximately 60-90 seconds. For larger cracks, multiple applications may be necessary.

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CONSUMPTION

1 kg per 550 cm³

PACKAGING

5 kg bags – 4 bags per box
25 kg bags

STORAGE

The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS

For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS

Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

TECHNICAL FEATURES (average value)

BLOCKWATER complies with the principles defined in EN 998-1 (Specification for mortar for masonry – Part 1: Rendering and plastering mortar), specifically designed for rapid repairs to prevent water infiltration.

FEATURES	RESULTS
Appearance	Powder
Colour	Grey
Mixture pH	< 12
Specific weight of mixture (EN 12350-6)	1850 kg/m ³
Mixing water	21 %
Pot life of mixture	≤ 50 seconds

CHARACTERISTICS OF THE HARDENED PRODUCT In compliance with UNI EN 998-1

FEATURES	STANDARD	RESULTS
Compressive strength after 28 days	UNI EN 1015-11	≥ 35 N/mm ² (Class IV)
Adhesion strength	UNI EN 1015-12	≥ 2 N/mm ² (Break: A)
Capillary water absorption	UNI EN 1015-18	≥ 35 N/mm ² (Class IV)
Water vapor permeability μ	UNI EN 1015-19	≤ 0.2 W/m.K
Chloride ion content	UNI EN 1015-17	≤ 0.05%
Fire reaction	UNI EN 13501-1	A1

VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION ($\mu\text{g}/\text{m}^3$)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS Institute according to EN 16516, ISO 16000-3/6/9/11 and ASTM D5116-10. Test report n. 392-2017-00404102_G_EN_02.

PRODUCT FOR PROFESSIONAL USE ONLY

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