



TECHNICAL DATA SHEET OF THE PRODUCT:

WB DUO FLEX

INCREASED FLEXIBILITY WATERPROOFING

I. APPLICATION:

- tight waterproofing of foundations and basements,
- waterproofing-based insulation of water reservoirs,
- insulation of bathrooms, shower cabins, and swimming pools,
- insulation of municipal waste and liquid manure tanks,
- insulation of landfills,
- protective waterproofing layer of concrete surfaces exposed to chemical substances, such as chloride ions or sulphate salts.

II. PROPERTIES:

WATER BLOCK DUO FLEX is a highly flexible waterproofing insulation basing on water dispersion of plastics. It creates a perfectly adherent and tight coating that is remarkably water resistant. The product is resistant to UV rays, chlorinated water, oils, gasoline, municipal sewage, etc. It inhibits the process of concrete carbonation, as well as does not cause steel corrosion. Due to the low water vapor diffusion resistance, it allows for the evaporation of water from damp structures. To be used horizontally and vertically on internal and external surfaces.



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ul. Trakt Lubelski 316, 04-667 Warszawa

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III. SURFACE PREPARATION:

Surfaces to be sealed with WATER BLOCK DUO FLEX waterproofing must be load-bearing, compact, dry or matt damp, cleaned of dust, mold, algae, moss, flaking coatings, oil, cement laitance, rust, efflorescence, drips, bitumen coatings, as well as of other substances that may reduce adhesion. Any defects and irregularities should be smoothened by means of using the WB Flex adhesive glue. Highly absorbent surfaces containing gypsum should be primed with the deep penetrating WB Primer. Standard surfaces do not require priming. Properly prepared and seasoned surfaces should be moistened by using water.

IV. PRODUCT PREPARATION:

WATER BLOCK DUO FLEX should be properly mixed before proceeding to combining the ingredients. Afterwards, the reactive powder should be added to the liquid. Stir until a homogeneous mass is obtained. The material should be mixed exclusively with a mixer. The material should not have any lumps and should be utilized immediately after mixing, as it thickens over time as a result of cement hydration.

V. USAGE:

The WB DUO FLEX waterproofing should be applied to the surface by means of a brush, steel trowel, or a spraying device. Apply the first (thin) layer by rubbing it firmly into the surface to smoothen pores and gaps. The second layer should be applied only after the first layer has bound (namely - after approximately 4 hours - providing the optimal temperature of about 20°C). During a single application, the thickness of the layer should not exceed 2 mm (recommended thickness: 1 mm). The total thickness of all the applied layers must not be lower than 2 mm. Smoothening the surface with a steel trowel can be done within a few minutes from the moment of applying the waterproofing layer.

In the case vertical and horizontal corners and expansion joints, WB Tape sealing tapes should be additionally embedded.





Do not apply the product during precipitation of any kind. Protect freshly applied coatings against rain and frost for at least 12 hours. In the case of particularly hot and dry ambient conditions, protect the product against rapid drying by means of using damp mats.

Tiling can be started after 2-3 days (providing the optimal temperature of about 20°C).

VI. TOOLS:

Drill with a mixer, brush, or a spraying device. Tools should be washed with water immediately after work completion. After hardening, remove product-related residue in a mechanical manner exclusively.

VII. STORAGE AND TRANSPORTATION:

WB DUO FLEX waterproofing should be transported and stored in a tightly closed package, at temperatures being above zero degrees centigrade. Protect against frost and direct sunlight.

IX. ADDITIONAL INFORMATION:

Storage time: 12 months - in original, sealed containers.

Packaging: large packaging: 20 kg

small packaging: 10 kg

Efficiency: 0.6 to 0.7 kg/m² per 1 mm of layer thickness. The exact efficiency of the product depends on the absorbency and structure of the surface.

Usage: large 20 kg packaging: sufficient for approximately 13 - 15 m²; small 10 kg packaging: sufficient for approximately 6.5 - 7.5 m²



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The technical data sheet of the product is based on many years of experience and has been created with best intent in mind. It is not legally binding and shall not be perceived as an offer within the meaning of the applicable law regulation or understood as a guarantee resulting from an order or a sales contract concluded. The data sheet contains specific, limited pieces of information, with data being obvious to experts in the field being purposefully omitted. Notwithstanding the above, the Contractor shall be obliged to act in accordance with applicable regulations, standards, and guidelines, as well as with best practices followed in the field of widely understood construction. When a new version of this technical data sheet is issued, the previous one shall no longer be considered valid.

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