



# WRC COATING

## PROPERTIES

- Suitable for momentary use (single-component system),
- Low viscosity
- Does not contain solvents
- Does not contain isocyanates
- Excellent workability, simple application, applied in two layers
- Excellent adhesion to various surfaces, such as: (concrete, cement screed, drywall panels, brick, OSB panels, etc.)
- Ability of bridging over cracks
- It hardens at room temperature
- Consumption: 1-1.3 kg/m<sup>2</sup> (single layer); 2-2.6 kg/m<sup>2</sup> (for two layers)

**TESTS AND CERTIFICATES** Liquid, mounting, single-component, waterproof coating DM 01, for interior and exterior use beneath ceramic tiles (with C2 grade adhesives in accordance with EN 12004)

EN 14891: 2012

CE mark

## AREA OF APPLICATION

The coating is suitable for ensuring waterproofness:

- Bathrooms, laundry rooms, shower cabins
- Balconies and terraces
- Dry mounting elements, mortars, cement and plaster surfaces, bricks, foam concrete elements, OSB panels

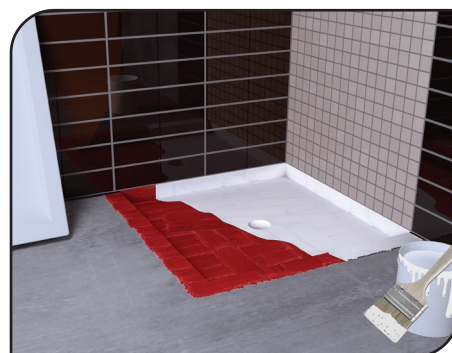
*\*The coating is always applied beneath the final covering (beneath ceramic tiles, mosaics, stone...)*

## INSTRUCTIONS FOR USE:

The surface must be clean and without impurities (dust, grease) as well as residue of paint or other coatings and/or substances which may affect adhesion. Remove all loose and poorly connected parts. For porous surfaces, we recommend prior use of the impregnation product HydroBlocker WRC Primer. Before applying the product **HydroBlocker WRC Coating**, it is necessary to install sealing strips HydroBlocker Tekatrak in places where pressure is applied to the wall, corner joints, as well as in places where there are dilatations. Mix the **HydroBlocker WRC coating** before use. Apply the product with a roller, brush or trowel in two layers (thickness of single-layer application should amount to ca. 1-2 mm). The second layer is applied when the first one dries, at a right angle compared to the first layer. Final thickness of the cured membrane must be at least 1 mm. Individual layer curing time amounts to 3-4 h at 23°C and 50% air humidity. Adhesion of ceramic tile, stone and mosaic coverings may be done 12 h after applying the coating. Before adhesion of the final covering, it is necessary to check whether the surface of the applied membrane **HydroBlocker WRC Coating** is homogenous, without unfilled gaps and without bubbles. In case of presence of the above mentioned, it is necessary to reapply the coating over the problematic parts. Adhesion of the final coverings is done by using C2 class cement adhesives in accordance with the standard EN 12004 and selected in accordance with the type of final covering.

Clean the tools for application and residues of uncured sealant with water immediately after use.

**HYDROBLOCKER WRC COATING** is a single-component coating for ensuring waterproofing in bathrooms, laundry rooms, shower cabins, balconies, terraces and other wet rooms. The coating is applied directly beneath the final ceramic tile, stone and mosaic covering. Due to a high polymer content, the already cured coating remains remarkably elastic despite different environmental conditions.



## TECHNICAL INFORMATION

Uncured coating		
Base		acrylic membrane
Appearance		liquid paste
Curing mechanism		water evaporation
PH		8-9.5
Specific gravity		1.4-1.5 g/cm <sup>3</sup>
Skin formation time	23 °C/ 50 % rel. hum.	ca. 60 min
Individual adhesive layer curing time (1 mm)	23°C/ 50% rel. hum.	3-4 h
The tile adhesive may be applied to the coating 12 h after applying the coating		
Application temperature		+5°C to +30°C
Cured coating		
Hardness Shore A	ISO 868 655	
Volume change	ISO 10563	< 25%
Relative flexibility		> 100%
Tensile strength	ISO 37	1-1.8 MPa
Module E 100	ISO 1 part 1	> 1.5 MPa
Temperature resistance		from -5°C to +75°C

## ADDITIONAL INFORMATION

- Do not apply the coating over a frozen and very hot surface.
- Do not apply the coating in places that are constantly filled with water (swimming pools, tanks...)

## PACKAGING

5 kg, 10 kg bucket

## STORAGE

12 months in a dry and cold place at a temperature between 5°C and 30°C in originally sealed packaging.  
If the expiry date on the label expires, this does not yet mean that the product is unusable. It is necessary to check its properties.

## HEALTH, SAFETY, HANDLING AND DISPOSAL INFORMATION

All information regarding safe behaviour, health, personal protection and product disposal is provided in the safety data sheet. The safety data sheet may be received upon request. You may also receive a copy from your TTK sales representative.

## WARNING

Instructions were given based on our research and experiences, however, due to specific conditions and manners of work, we recommend that testing be done for each case of use.

## CE in accordance with EN 14891:2012

**CE**

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**HYDROBLOCKER WRC COATING**

DOP: 932743545

EN 148912012

Liquid, mounting, single-component, waterproof product DM O1, for interior and exterior use beneath ceramic tiles (by using C2 grade adhesives in accordance with EN 12004)

Initial adhesive tensile strength  $\geq 0.5$  N/mm<sup>2</sup>

Stability of adhesive tensile strength after contact with water  $\geq 0.5$  N/mm<sup>2</sup>

Stability of adhesive tensile strength after thermal ageing  $\geq 0.5$  N/mm<sup>2</sup>

Stability of adhesive tensile strength after freezing and melting cycles  $\geq 0.5$  N/mm<sup>2</sup>

Stability of adhesive tensile strength after contact with limewater  $\geq 0.5$  N/mm<sup>2</sup>

Waterproofness - no penetration

Ability of bridging over cracks under standard conditions (23°C)  $\geq 0.75$  mm

Ability of bridging over cracks at low temperatures (- 5°C)  $\geq 0.75$  mm

Testing conditions:

Number of applied layers: 2

Individual layer curing time: 3-4 h

Final thickness of the applied membrane: uncured 2 mm, cured ca. 1.5 mm

Tile adhesive grade: C2 in accordance with the standard EN 12004