



MICROTOP TW 02

Status 01/2021

mineral, microsilica-modified special mortar/grout suitable as corrosion protection, bonding agent and filler for the drinking water sector

DESCRIPTION

MICROTOP TW 02 is a pure mineral, hydraulic setting, microsilica-modified special mortar for the drinking water sector. MICROTOP TW 02 may be shotcreted, trowelled and smoothed and is suitable as corrosion protection and bonding agent. It meets the DVGW work sheets type class 1, W 300 und W 347.

APPLICATION

For the production of shotcrete mortars in wet-mix shotcrete method (dense phase conveying) procedure, for the coating of surfaces, increasing the concrete cover and the finish in the drinking water sector. Also suitable as corrosion protection and bonding agent

MICROTOP TW 02 has an extremely low pore volume and can also be used as corrosion protection and bonding agent.

PROPERTIES

- microsilica-modified
- low modulus of elasticity
- low pore volume
- open to steam diffusion
- water impermeable
- can be smoothed and troweled
- good adhesion, optimum bond
- can be machine sprayed

TECHNICAL DATA

Quality	C30/37
Grain size	0 - 0,2 mm
Colour	natural
Density	approx. 2,04 kg/l
Temperature processing, ambient and sub-base temperature	≥ 5 °C
Water / cement ratio	≤ 0,4 - ≤ 0,5
Water addition	approx. 5 - 6,25 l/25 kg bag
Layer thickness	approx. 2 - 5 mm
DVGW work sheet type class 1, W 300, W 347	<input checked="" type="checkbox"/>

PROCESSING

Sub-base

The base concrete/old plaster (surface bond strength minimum $\geq 1,5 \text{ N/mm}^2$) must be blasted, preferably with high pressure water $\geq 1.000 \text{ bar}$. For full bond, the surface must be free of cracks, flat, free from loose and brittle debris and fine mortar slurry. It must be rough and open-pore. Thorough pre-wetting of the sub-base one day prior to the application. Possible gravel pockets, cavities etc. must be leveled with MICROTOP TW 02 scratch coat.

Processing

Mix a complete bag MICROTOP TW 02 with the specified amount of water for approx. 3 minutes with a slowly running stirrer. Processing acc. to DIN 18551 in wet-mix shotcrete method or trowelling technique.

AFTER-TREATMENT

Ensure the air conditioning of the water chambers to prevent the formation of condensation water until the applied material has gained sufficient mechanical strength. By the use of humidifiers, the relative humidity must be kept at 95 % for at least 10 days after the application. The heat input must not exceed 20 °C. Avoid drafts and strong air movements.

25 kg special paper packaging

Dry, like cement. Shelf-life approx. 12 months.

HINTS This product contains cement and has an alkaline reaction with moisture/water. Therefore protect skin and eyes. In case of contact with eyes, consult a doctor. The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.

