



Status 01/2021

MICROTOP TW NSM

mineral, microsilica-modified shotcrete mortar for wet-mix shotcrete method in the drinking water section

DESCRIPTION

MICROTOP TW NSM is a pure mineral, hydraulic setting, microsilica-modified special mortar for wet-mix shotcrete method in the drinking water section. It meets the DVGW work sheets, type class 1, W 300 and W 347.

APPLICATION

For the production of shotcrete mortars in wet-mix method, for the re-profiling and coating of surfaces in the drinking water section, for increasing the concrete cover and for the finish. The materials are easy to grind and smooth. Smaller areas can be processed manually in combination with a bonding compound.

PROPERTIES

- microsilica-modified
- low modulus of elasticity
- low rebound
- low dust development
- open to steam diffusion
- water impermeable
- chloride-free
- can be smoothed and trowelled
- can be machine sprayed

TECHNICAL DATA

Quality	C30/37
Grain size	0 - 3 mm
Colour	natural, white, blue
Temperature processing, ambient and sub-base temperature	≥ 5 °C
Water/solids ratio	approx. 0,14 - 0,15
Water addition	approx. 3,6 l/25 kg bag
Layer thickness in one layer	approx. 20 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.

Processing

Mix a complete bag MICROTOP TW NSM with the specified amount of water for approx. 3 minutes. Application on the matt-damp surface in dense phase conveyance with suitable worm gear pump (e.g. m-tec P 20 with Rotor/Stator D8/2), including injection air for spraying.

AFTER-TREATMENT

Ensure 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 application. The heat input must not exceed 20 °C. Avoid drafts and strong air movements.

SUPPLY

25 kg special paper packaging

STORAGE

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.



ISO 9001
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Quality Management System
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