



# MICROTOP® TW BM

## MINERAL COATING MORTAR FOR THE LINING OF DRINKING WATER PIPES AND RESERVOIRS AS WELL AS FOR OTHER OTHER WORK SECTIONS IN SPUN, SHOTCRETING AND MANUAL APPLICATION

### DESCRIPTION

**MICROTOP TW BM** - factory produced, ready to use special mortar for interior coating of drinking water pipes and reservoirs and other work sections.

**MICROTOP TW BM** complies with the DVGW work sheets W 270, W 300 and W 347.

### APPLICATION

**MICROTOP TW BM** is used for the interior coating of new plants or the repair of drinking water pipes and reservoirs as well as for other work sections. Its special composition provides excellent processing and working properties.

**MICROTOP TW BM** is available in colours natural and white.

### PROPERTIES

- water impermeable
- corrosion-inhibiting
- good bond to concrete and steel
- easy to mix
- good pumpability
- special granulometric composition

### TECHNICAL DATA

Raw material basis: special binding agents acc. to DIN EN 197-1 specially selected and qualified aggregates acc. to DIN EN 12620/ DIN V 20 000-103.

Granulometric composition: 0 - 1,0 mm  
 Compressive strength after 28 days: > 35 N/mm<sup>2</sup>  
 Flexural strength after 28 days: > 6,3 N/mm<sup>2</sup>  
 Yield per supply unit: approx. 14 l  
 Processing temperature: > 5 °C

### PROCESSING

#### Sub-base:

Clean from loose particles such as dust and cement slurry until a load-bearing sub-base is achieved. If necessary, roughening should be carried out, followed by pre-wetting of the surface.

#### Processing:

**MICROTOP TW BM** can be processed with any customary spun or shotcreting equipment or manually.

**MICROTOP TW BM** should be mixed as complete packaging unit with a water-cement value of  $\leq 0,4 = 5 \text{ l water} / 25 \text{ kg bag}$  for at least 3 minutes using a slowly running stirrer. For water-cement ratio of  $\leq 0,5 = 6,25 \text{ l water} / 25 \text{ kg bag}$ .

#### After-treatment:

Acc. to DIN 1045-3, to be protected from too rapid drying out. Differing temperatures may influence the setting resp. hardening procedure.

### PRODUCTION/ CONTROL

Producer:  
 KORODUR Westphal Hartbeton GmbH & Co. KG, works Wattenscheid  
 Control:  
 internal and external control

**Certification: DIN EN ISO 9001:2008**

### PACKAGING/SUPPLY

25 kg special paper bags

### STORAGE

dry, like cement,  
 shelf-life approx. 6 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. Our recommendations for application techniques are based on our experiences. It is recommended to adapt processing and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Further literature, processing hints, tender texts and test certificates on the different KORODUR industrial flooring systems, KORODUR floor hardeners, KORODUR dry mortars and special products are available on request.



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## TESTING HINTS AND TECHNICAL DATA

### Test Certificates: Hygiene Institute, Gelsenkirchen

DVGW	word sheet W 270	DVGW	work sheet W 347
	W-151164-07-SI		C-151149-07-Ko/ko
32,5	W-124451-04-SI	32,5	C-118305-04-Ka/st

### Test certificates acc. to DVGW work sheet W 300: LGA, Nürnberg

Air space ratio	BBBT 0760033/2
Fresh mortar raw density	BBBT 0760033/2
Set mortar raw density	BBBT 0760033/2
Flexural strength	BBBT 0760033/2
Compressive strength	BBBT 0760033/2
Bond strength	BBBT 0760033/2
Static modulus of elasticity	BBBT 0760033/4
TOC value	CPR 5621323

### MPVA Neuwied

Porosity	50/1342-A/07
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### Technical data

Density	2,11 kg/l
Granulometric composition	0 - 1,0 mm
Strength class	MG IIIa
Water-cement ratio	≤ 0,5
Application thickness	approx. 5 - 8 mm
Processing temperature	≥ 5 °C

## HINTS

The afore-mentioned data, in particular the suggestions for the processing and use of our products are based on our knowledge and experience in normal case. Taking into consideration the differences and deviations in materials, sub-bases and working conditions, a guarantee for working results cannot be given nor any reliability, regardless the legal relationship, whether referred to these hints nor to given verbal advice, unless we are charged of having acted on purpose or gross negligence. In such case the applicator has to furnish evidence that he had forwarded to us in good time, completely and in written form any information required for proper and promising judgement. Protective rights of third parties have to be observed. In any case the latest technical data sheet refers which is available on request.

per May 2011



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