

BETOFINISH WATERPROOF

**FIBRE-REINFORCED FLEXIBLE MORTAR
FOR OUTDOOR PROTECTIVE SMOOTHING
ENHANCED ADHESION AND WATERPROOFING**



TECHNICAL DATA SHEET - REVIEW DRAFT

DESCRIPTION

BETOFINISH WATERPROOF is an outdoor version of BETOFINISH, formulated with hydraulic binders, fine graded aggregates, synthetic resins, special additives and reinforcing fibres. The additives enhance adhesion and waterproofing, while the fibres help control cracking. It is designed for protective smoothing and finishing of exterior concrete surfaces.

FIELDS OF APPLICATION

Protective smoothing of outdoor concrete structures; small surface repairs; and finishing after concrete repair work. Intended for exterior applications requiring improved adhesion, waterproofing and resistance to cracking. The fibre reinforcement helps limit crack formation; no tested crack-bridging rating is declared.

PACKAGING

20 kg and 50 kg bags.

Technical status: New formulation based on BETOFINISH. The numerical data on pages 2-3 are reference values from the original product, pending confirmation for BETOFINISH WATERPROOF.

Application and reference data

SPECIFICATION

Use BETOFINISH WATERPROOF, a fibre-reinforced mortar with special additives for enhanced adhesion, waterproofing and crack control on exterior concrete. The following application parameters and technical values are inherited from the base BETOFINISH sheet and require confirmation for the modified formulation.

BASE PRODUCT REFERENCE - MIXING AND WORKING TIMES

Mixing water	Approx. 4.4 L per 20 kg Approx. 11 L per 50 kg
Pot life	60 minutes
Thickness per coat	1-4 mm
Waiting time between coats	Maximum 4 hours
Waiting time before final painting	3 days

BASE PRODUCT REFERENCE - TECHNICAL DATA

Classification according to UNI 1504-3	R2 CC
Appearance	Grey powder
Apparent specific weight	1.24 g/cm ³
Maximum particle size	0.6 mm
pH of mix	≥ 12
Application temperature	+5 °C to +35 °C
Specific weight of mix	≥ 2.0 g/cm ³
Flow / spread of mix	75%

Performance reference and validation

BASE BETOFINISH PERFORMANCE - NOT VARIANT TEST RESULTS

Compressive strength at 28 days	$\geq 20.0 \text{ MPa}$
Flexural strength at 28 days	$\geq 6.0 \text{ MPa}$
Compressive elastic modulus	$\geq 12 \text{ GPa}$
Adhesion to concrete at 28 days	$\geq 2.0 \text{ MPa}$
Capillary absorption	$\leq 0.5 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$

The source BETOFINISH sheet reports these values at 23 °C and 50% relative humidity, without ventilation. They are not verified test results for BETOFINISH WATERPROOF. No numerical increase in adhesion or waterproofing has been assumed.

BASE PRODUCT REFERENCE - CONSUMPTION

1.6 kg/m² per mm of thickness.

Apply in layers from 1 to 4 mm per coat.

PRODUCT INFORMATION

Confirm mixing water, working times, thickness, consumption, strength, adhesion, capillary absorption and classification for the final formulation before technical release. Waterproofing and crack-control performance, including any crack-bridging capability, require product-specific testing.

For further information or specific applications, contact COLMEF technical support.
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