

BETOFINISH

**ONE-COMPONENT FLEXIBLE MORTAR
FOR PROTECTIVE SMOOTHING OF CONCRETE
APPLICATION THICKNESS: 1-4 mm**



TECHNICAL DATA SHEET

DESCRIPTION

Mortar composed of high-resistance hydraulic binders, fine graded aggregates, synthetic resins and special additives. It has a thixotropic consistency, excellent workability and strong adhesion to concrete. Its low elastic modulus, good impermeability and durability provide resistance to carbonation, chemical attack by nitrates, sulphates and chlorides, and freeze-thaw cycles.

FIELDS OF APPLICATION

Protective, carbonation-resistant smoothing of concrete structures; small repairs to concrete castings; and finishing after major concrete repairs using mortars from the Betocem range. Suitable for thin-layer repairs and for producing a smooth fair-faced surface before painting.

PACKAGING

20 kg and 50 kg bags.

Application and technical data

SPECIFICATION

Apply a flexible, non-shrinking technical mortar resistant to sulphates and carbonation, such as BETOFINISH by COLMEF S.r.l., in layers of 1-4 mm per coat. Consumption is 1.6 kg/m² per mm of thickness.

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

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%

Final performance and consumption

FINAL PERFORMANCE

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	$\leq 0.5 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$

Tests performed at 23 °C and 50% relative humidity, without ventilation.

CONSUMPTION

1.6 kg/m² per mm of thickness.

Apply in layers from 1 to 4 mm per coat.

PRODUCT INFORMATION

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

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