

Idrolastic (A+B)

TWO-COMPONENT ELASTIC TECHNOLOGICAL MORTAR FOR WATERPROOFING AND PROTECTION OF CONCRETE SURFACES.



TECHNICAL DATA SHEET

DESCRIPTION

IDROLASTIC (A+B) is a two-component mortar. Component A consists of hydraulic binders, selected aggregates and special additives; Component B consists of synthetic polymers in aqueous dispersion. Mixing the two components produces an easily workable mortar suitable for horizontal and vertical application, with strong adhesion to concrete and masonry surfaces.

FIELDS OF APPLICATION

For flexible, continuous waterproofing and protective coatings on concrete structures; indoor and outdoor screeds on terraces and balconies before ceramic tiling; showers and bathrooms; foundations and retaining walls; and restoration of waterproofing on existing floors without demolition.

PROTECTION

The cured product forms a flexible, waterproof coating resistant to chemical action from carbon dioxide and sulphur dioxide and to chloride and sulphate salt attack.

APPLICATION SYSTEM

Apply in two crossed coats until the surface is completely covered. Fresh-on-fresh in the first coat, embed alkali-resistant ARMOFLEX 130 fibreglass reinforcement. Ceramic coverings may be bonded directly to the waterproofing using a class C2 S1 adhesive.

IDROLASTIC (A+B) combines a cement-based powder component with a polymer liquid component to form a flexible waterproofing mortar for demanding horizontal and vertical substrates.

MIXING AND APPLICATION

- For one complete set, mix two 20 kg bags of Component A powder with one 19 kg pail of Component B liquid.
- Mix until a uniform, easily workable mortar is obtained.
- Apply in two crossed coats and embed ARMOFLEX 130 reinforcement in the first coat while fresh.
- Use the prepared mix within approximately 1 hour under the stated test conditions.

RECOMMENDATIONS

- Apply at temperatures from +5 °C to +30 °C.
- Apply at least 2 mm per coat; the maximum total thickness is approximately 5 mm.
- Do not exceed 24 hours between coats.
- Wait at least 48 hours before laying the ceramic covering.
- Use a class C2 S1 adhesive when bonding ceramic coverings directly to the waterproofing.

PACKAGING

Component A: 20 kg powder bag. Component B: 19 kg liquid pail. One complete set consists of 2 powder bags and 1 liquid pail, giving 40 kg of Component A and 19 kg of Component B.

SPECIFICATIONS

Waterproof cement surfaces before ceramic covering with a flexible two-component cement mortar, IDROLASTIC (A+B) type by Colmef Srl, applied in two coats with ARMOFLEX 130 alkali-resistant fibreglass reinforcement between coats. Consumption: 1.6 kg/m² of A+B per millimetre of thickness.

TEST CONDITIONS

Tests performed at 23 °C and 50% relative humidity in the absence of air ventilation.

COMPONENT DATA

Property	Unit	Component A	Component B
Appearance	-	Grey powder	White liquid
Apparent specific weight	g/cm ³	1.4	1.1
pH value	-	-	≥ 10
Maximum granulometry	mm	0.4	-
Solid residue	%	100	50
Packaging per complete set	kg	2 x 20 kg bags	1 x 19 kg pail

MIXED PRODUCT DATA

Property	Unit	Value
Mixing ratio, Component A : Component B	by weight	40 : 19
Volumetric mass of mix	g/cm ³	1.7
pH of mix	-	≥ 12
Application temperature	°C	+5 to +30
Pot life of mix	hours	Approx. 1
Thickness applicable per coat	mm	≥ 2
Maximum thickness possible	mm	Approx. 5
Waiting time between coats	hours	≤ 24
Waiting time before laying covering	hours	≥ 48
Consumption of A+B per mm thickness	kg/m ²	1.6

FINAL PERFORMANCE

Property	Unit	Value
Adhesion on concrete at 28 days	N/mm ²	≥ 1.1
Tensile strength at 28 days	%	Approx. 30
Impermeability	-	Impermeable

PACKAGING RATIO REVISED TO 40:19; OTHER PERFORMANCE DATA REPORTED FROM THE SUPPLIED SHEET.

The information in this bulletin is based on our best experience. We cannot be held liable for product misuse. Anyone intending to use this product should assess whether it is suitable for the intended application and perform preliminary tests. Always refer to the latest updated technical data sheet and Safety Data Sheet available from Colmef.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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