REPEMAX® CAPA FINA 50XA

Wall mortar of 50 kg/cm² with extra adhesión for rendering 2 mm to 5 mm thick

DESCRIPTION

Repemax® Capa Fina 50XA is a microfiber, admixture and polymer modified mortar for walls with superior adhesion to smooth surfaces, to be applied between 2 mm and 5 mm in thickness, manually or with render spraying mixer pump.

OVER SURFACES OF

- Concrete.
- Precast concrete.
- Plaster.
- Masonry.

ON

- Interior and exterior applications.

FEATURES

- Mortar 2 in 1: renders and finishes.
- Compressive strength of 50 kg/cm² (5,0 MPa or 700 psi), according to UNE EN 1015-11.
- Ideal mix of cement, sand, polymers, microfibers and admixtures.
- Allows being finished rough or smooth, depending on the tool.
- More economy in finishing and paint.
- Excellent adhesion; contains especial polymers that maximize adhesion to very smooth surfaces.
- Does not require an adhesion primer.
- Fiber modified to reduce cracking and increase tensile and flexural strength.
- More plasticity for the correct application with render spraying mixer pump.
- Does not sag.
- Prevents cracking, dusting and powdering.
- Compared with traditional mortars: more speed, less material waste, better order and cleanliness, less physical effort, more productivity and cost savings.
- Controlled and constant quality.
- Long-lasting; contains high quality, clean sand. Does not contain sand from rivers or oceans.
- Complies with UNE-EN 998-1, classification GP CS III W0.

COVERAGE (m²)

Thickness	Coverage per 40 kg bag
2 mm	16,0 m² – 17,0 m²
3 mm	11,0 m² – 11,5 m²
5 mm	5,0 m² – 5,5m²

One bag of 40 kg produces approximately 27 liters of mortar. Coverage depends on surface conditions. Tests on site should be made for a more accurate estimation.

INSTALLATION

WATER DOSAGE

Water dosage	Costa Rica / Nicaragua	Panama
40 kg bag	8,0 L – 9,0 L	8,5 L – 9,5 L
With m-tec Monomix machine	240 L/h to 260 L/h	240 L/h to 260 L/h

SURFACE PREPARATION

Surface must be clean, sound and free of loose particles, laitance, oil, wax, sealers, curing compounds, grease, paint, efflorescence or any other contaminant. Moisten substrate well and make sure surface temperature is 30 ºC or lower.

MIXING

Manual: Add Repemax® Capa Fina 50XA to clean water according to the water dosage table above. Mix to a plastic and homogeneous consistency. Mix with a low-speed drill (300 rpm) with a mortar mixer. Let stand 5 minutes to give all chemicals time to slake and then remix. Do not add more water or dry materials after slaking. Do not prepare more material than can be applied in 45 minutes.

With mtec machine: Adjust the water in the flow indicator of the render and plaster spraying mixer pump, to guarantee a plastic and homogeneous mortar (see water dosage table).

APPLICATION

Manual: Apply Repemax® Capa Fina 50XA with a trowel, pressing it against the surface. A thickness between 3 mm and 5 mm is recommended. If a ticker coat is needed, it should be obtained in successive layers. Once it is dry to the touch, finish it with a rubber or metal trowel.

With mtec machine: Hold the spraying gun perpendicular to the wall to be plastered, at a distance of 10 cm to 15 cm. Spray the mortar, horizontally from side to side, in an upward movement. A thickness between 3 mm and 5 mm is recommended. If a ticker coat is needed, it should be obtained in successive layers. Once it is dry to the touch, finish it with a rubber or metal trowel.

Drying time may vary depending to weather conditions. Protect Repemax® Capa Fina 50XA from rain and vibration for at least 8 hours.

CLEAN-UP

Clean all tools with soapy water before mortar dries.

CURING:

Keep surface damp with water for the first 72 hours for better curing, starting the following day.

TECHNICAL DATA

Complies with UNE-EN 998-1 classification GP CS III W0.

Information Repemax® Capa Fina 50XA		Compliance	
		Manual	Sprayed
Data of use	Thickness	2 mm - 5 mm	2 mm - 5 mm
	Slaking time	5 min	NA
	Pot life	45 min	NA
	Water curing time	72 hours	72 hours
Physical data	Density	1719 kg/m^3	1893 kg/m^3
	Flow ASTM C 1437	101%	112%
ASTM C 109	Compressive strength at 28 days	3,4 MPa	2,2 MPa
UNE EN 1015-11	Compressive strength at 28 days (CS III)*	5,0 MPa	3,6 MPa
UNE EN 1015-12	Adhesion at 28 days	≥0,65 MPa	≥0,65 MPa
UNE EN 1015-18	Capillarity by absorption W0	≥ 0,4 kg/m^2 ·min^{0,5}	≥ 0,4 kg/m^2 ·min^{0,5}
UNE-EN 998-1 5.3.3	Reaction to fire	Class A1	Class A1

*CS III corresponds to a compressive strength between 3,5 MPa and 7,5 MPa.

ENVIRONMENTAL CONTRIBUTION

Information of the contribution to the environment	
Diversion from landfills	INTACO packaging materials are made of paper and/or plastic that may be diverted from landfills.
Regional materials	Place of extraction of aggregates and of gray cement manufacturing (for gray mortars) are within a radius of 804 km from INTACO's manufacturing facilities.
Low emitting materials	VOC content is 0,0 g/L (minus water). Complies with VOC levels of South Coast Air Quality Management District. Tests under ASTM D6886-03 method.

PACKAGING

Costa Rica / Nicaragua		Panama
25 kg	40 kg	40 kg
White	Gray and white	Gray

SHELF LIFE AND STORAGE CONDITIONS

Storage time is 6 months from the manufacturing date, in its original closed package. Keep in a cool, dry place.

RECOMMENDATIONS

Excess water in the mix affects mechanical strength and product quality. Substrate and material must be cool at time of application. Do not use water with a temperature higher than 25 °C. When required a thicker coat than 5 mm, leave the first coat rough and dampen it before applying the second one. Wait at least 24 hours between coats. Do not use Plasterbond® or any other re-emulsifiable adhesives before the application of Repemax® Capa Fina 50XA. On very absorbent substrates, provide a saturated surface dry (SSD) condition. On adverse weather conditions, use curtains to avoid direct sun rays and wind. Avoid finishing the product while it's still too fresh, since this can cause cracking or loss of adhesion. Do not grind the surface of this mortar. If it will be left exposed, seal it with Maxilane®, Maxiclear® or Maxihard®.

LIMITATIONS

This product is not designed to be in immersion or below ground with a high-water table, nor to be applied over cementitious or drywall panels.

PRECAUTIONS

Wear adequate protection. Do not take internally. Avoid breathing dust. Eliminate or control dust while handling or placing this product. May burn or irritate the eyes or skin.

First aid: In case of contact, flush eyes or skin thoroughly for 15 minutes with clean water and get prompt medical attention. In case of ingestion, drink one or two glasses of water to dilute and get immediate medical attention.

WARRANTY

INTACO warrants that this product is free of defects and will perform in the way described in the technical sheet, only if the product is used strictly according to applicable specifications and instructions provided by INTACO for its use. INTACO will replace or, at INTACO's option, refund the purchase price of any product proven to be defective due to quality of ingredients or to the manufacturing process. INTACO does not take responsibility for indirect, consequential, incidental or special damages. Coverage and dosage data are susceptible to variations due to particular conditions in each job site; it is the user's responsibility to test and verify them at the site. This product data sheet may be changed without INTACO's notification.

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