



INSTALACIÓN DE REVESTIMIENTOS CERÁMICOS Y MINERALES

Bondex® Plus Ceramica y Porcelanato

Polymer-modified tile setting mortar for ceramic and porcelain tile

Description

Bondex® Plus Ceramica y Porcelanato is a polymer-modified thin set mortar for the installation of ceramic and porcelain tiles, over concrete, masonry and existing ceramic tile floors and walls, in residential and commercial areas, for interior and exterior applications.

Uses

- Porcelain tiles.
- Ceramic tiles.
- Other low and medium absorption tiles (< 6%).

Over surfaces of

- Plaster.
- Concrete.
- Masonry.
- Ceramic tile.

Features

- Excellent adhesion; contains polymers.
- Great workability.
- Constant quality.
- Easy to use, just add water.
- Long-lasting; contains high quality, clean, chloride-free sand.
- Can be used to tile over tile.
- May be under water immersion.
- Complies with ANSI A118.4 and INTE 06-08-03.



Bondex® Plus Ceramica y Porcelanato	
MRc5 Regional materials:	Up to 2 points
IEQc4.1 Low-emitting materials:	1 point
IEQc4.3 Low-emitting materials (floors):	1 point
MRc2 Construction waste management:	Up to 2 points

Using this product may contribute to LEED certification of projects.
Request INTACO LEED sheet for more details.

Installation

Surface preparation:

Surface must be plumb, dry, clean, sound and free of loose particles, laitance, oil, wax, sealers, curing compounds, grease, paint, efflorescence or any other contaminant. Moisten substrate and tiles well and make sure surface temperature is 30 °C or lower. Remove any excess water before application.

Mixing:

Add Bondex® Plus Ceramica y Porcelanato to clean water according to the table in Technical Data. Mix to a plastic and homogeneous consistency. If mechanical means are used for mixing, use a low speed drill (300 rpm) with a mortar mixer such as the DC 716 7/16" x 30" from Kraft. Let stand 5 minutes to give all chemicals time to slake and then remix. Do not add more water or dry materials after slaking. If the mortar seems to harden, remix to regain the original plasticity.

Application:

Apply according to ANSI A108.5. With pressure, apply a skim coat of Bondex® Plus Ceramica y Porcelanato to the substrate with the flat edge of the trowel. Ensure enough thickness according to the

notch size. Comb the mortar in one direction, with the recommended notched trowel. Trowel ridges should not flow or slump. Press tile into place in the next 10 minutes and slide the tile perpendicular to the combed ridges of Bondex® Plus Ceramica y Porcelanato to insure proper contact. If skinning occurs, scrape and return to the bucket, remix and reuse. On tiles with dimensions larger than 30 cm x 30 cm, back-butter to ensure a minimum of **80%** contact of each tile in **interior** applications and **95%** when used in **exterior** applications. Clean immediately the excess material with a damp sponge. Wait at least 48 hours before grouting with Groutex® or allowing traffic, to ensure floor tile is firmly set. Protect the installation from rain for 12 hours and from impact and vibration for 14 days.

Clean-up:

Clean all tools with soapy water before mortar dries.

Packaging

Costa Rica / Ecuador / Nicaragua	
Size	25 kg bag
Color	Gray

Coverage

Notch size (mm x mm)	Coverage per bag of 25 kg (m ²)
13 x 13	3,5 – 4,0
10 x 10	4,5 – 5,0
8 x 8	5,5 – 6,0
6 x 6	8,0 – 8,5

Coverage is approximate and depends on the notched trowel size, surface leveling and tile format. This coverage was obtained on a completely flat surface, with no back-buttering and using tiles with no warping.

Technical Data

Complies with ANSI A118.4 and INTE 06-08-03.

Water dosage	Costa Rica / Nicaragua	Ecuador
Amount	5,1 L - 5,3 L	5,5 L - 6,0 L
Bag size	25 kg	25 kg

Information	Costa Rica / Nicaragua	Ecuador
Open time	≥ 50 min	≥ 50 min
Time to rectify	20, aprox.	20, aprox.
Pot life	2 h, aprox.	2 h, aprox.
Air content	6,4%	11,5%
VOC content	0,0 g/L	0,0 g/L
Adhesion (shear) 7 days, quarry	7,7 kg/cm ²	-
Adhesion (shear) 28 days, quarry	15,2 kg/cm ²	-
Compressive strength ASTM C 109, 28 days	181,0 kg/cm ²	132,0 kg/cm ²

Limitations

Bondex® Plus Ceramica y Porcelanato is not recommended on ovens, chimneys or cold rooms. On industrial floors subject to moderate or strong chemical exposure, use Groutex® Epoxy. Bondex® Plus Ceramica y Porcelanato is not designed to level the floor as the tile is installed; final mortar thickness should not exceed 6 mm. On slabs or structures with vibration, use a deformable mortar, like Bondex® Ultraflex or Bondex® Premium Oro. This product is not designed for heavy vehicular traffic areas, nor for the installation of stone tiles.

Recommendations

For the installation of large format or heavy tiles, run previous tests or use Bondex® Formato Grande. Excess water in the mix affects mechanical strength and product quality. On vertical substrates over 3 m in height, use anchors as factor of safety. Substrate and material must be cool at time of application. Do not use water with a temperature higher than 25 °C. On adverse weather conditions, use curtains to avoid direct sun rays and wind. All surfaces must be leveled so as to not have variations over 6 mm in 3 m or 2 mm in 305 mm. On large areas, in exteriors or when specified, leave expansion joints as specified in TCA (Tile Council of America) Manual, detail EJ-171 and as specified in ANSI (American National Standards Institute) A108.01-3.7: "Requirements for movement joints: preparations by other trades". Deflection must not exceed L/360 on concrete floors or L/720 on plywood or fiber cement floors. Never cover movement joints with tile or mortar. If necessary, cut tiles on both sides of the joint. Install Maxiflex® 40 or an equivalent elastomeric sealant on all expansion and control joints. If quarry tile will be exposed to chemical attack, it should be installed and grouted with Groutex® Epoxy. Back-buttering is fundamental to accomplish the best adhesion of tiles with warpage. On installations over existing tile, use abrasive mechanical means to remove the shine of the glaze and/or use an adhesive. If tile will be used for vehicular traffic, make sure water does not accumulate in low spots by creating slopes that will allow water to run toward drains, verify tiles are installed correctly, that they are designed for the traffic they will have to withstand and that joints are designed correctly. Storage time is 6 months in its original closed package. Keep in a cool, dry place.

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.

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