CHAPISCO® DUAL

Bond promoting primer for cement plasters 5 mm to 30 mm thick

DESCRIPTION

Chapisco® Dual is a one component, polymer-modified cementitious mortar, especially formulated for creating a surface profile that will improve mechanical bonding of cement plasters over smooth, low-porous or very absorbent substrates, in interior and exterior applications. It may be roller-applied for cement plasters 5 mm to 15 mm thick or trowel-applied for plasters 15 mm to 30 mm thick.

USES

- Mechanical bonding promoter.
- Substitute for of the traditional scratch coat of cement and water.
- To even out absorption variations between different substrates.
- Creation of surface profile on smooth substrates.

OVER SURFACES OF

- Concrete.
- Concrete or clay masonry.
- Cement plaster.
- Polystyrene.

IN

- Walls and ceilings.
- Beams and columns.

FEATURES

- Improves mortar adhesion to smooth or low-porous surfaces.
- Creates a rough profiled surface for improved mechanical bonding.
- Dual formula allows for the application with a roller or a notched trowel depending on the thickness of the mortar.
- Substitutes the scratch coat commonly prepared with cement and water, used as base for the brown or finish coat.
- Improves economy and speed in product installation.
- Does not sag.
- May be used in below grade or immersion applications.
- Evens out absorption variations of different surfaces, that may cause dissimilar drying times and alterations in the plastering mortar or stucco finish.
- Once mixed with water, it does not settle while it is being applied.
- Easy to use, just add water.
- Complies with ABNT NBR 13528 (Brazil).

PACKAGING

Costa Rica / Ecuador / Nicaragua / Panama
25 kg
Gray

COVERAGE (m^2)

Packaging	With roller	With notched trowel
25 kg	From 15 m^2 to 25 m^2	From 8 m^2 to 10 m^2

Coverage depends on surface absorption and roughness. Tests on site should be made for a more accurate estimation.

INSTALLATION

WATER DOSAGE

Water dosage per 25 kg bag	Costa Rica / Nicaragua	Panama	Ecuador
Roller applied	5,2 L - 5,8 L	5,4 L - 6,0 L	6,0 L - 6,6 L
Notched trowel applied	3,8 L - 4,4 L	4,2 L - 4,8 L	4,6 L - 5,2 L

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. Make sure surface temperature is 30 ºC or lower. Dampen the substrate.

MIXING

Add Chapisco® Dual to clean water according to the water dosage table above. Mix by mechanical means to a plastic, homogeneous and lump-free consistency. Use a low speed drill (300 rpm) with a mortar mixer like the DC 716 7/16" x 30" from Kraft. Let stand 5 minutes to give all chemicals time to slake and then remix manually. Do not add more water or dry materials after slaking. If the mortar seems to harden, remix to regain the original plasticity. Do not prepare more material than can be applied in 90 min at 25 ºC.

APPLICATION

Application with a roller (plasters between 5 mm and 15 mm thick): Apply over the surface using INTACO's texture roller nap for Chapisco®. Make sure to cover all the area with an abundant uniform coat and that the finish is rough. Allow Chapisco® Dual to harden for at least 24 hours and moisten before applying the plaster or stucco.

Application with a notched trowel (plasters between 15 mm and 30 mm thick): Apply Chapisco® Dual over the substrate with a 6 mm x 6 mm square notch trowel. Extend the material with the flat side of the trowel to ensure enough thickness. Comb Chapisco® Dual horizontally with the notched side of the trowel. Trowel ridges should not flow or slump. Allow Chapisco® Dual to harden for at least 24 hours and moisten before applying the plaster or stucco.

CLEAN-UP

Clean all tools with soapy water before mortar dries.

CURING:

If the cement plaster or stucco will not be installed 24 hours later, keep surface damp with water for the first 72 hours for better curing.

TECHNICAL DATA

Complies with ABNT NBR 13528 (Brazil).

Information		Costa Rica / Nicaragua	Panama	Ecuador
Pot life at 25 °C	min	>60		
Dry to the touch at 25 °C	min	15 – 30	15 – 30	50 – 60
VOC content	g/L	0,0		
Adhesion, 28 days ABNT NBR 13528	MPa	≥ 0,5		

INTACO's Texture Roller Nap for Chapisco®
(Felpa de Textura para Chapisco®).

ENVIRONMENTAL CONTRIBUTION

Information of the contribution to the environment	
Divertion from landfills	INTACO packaging materials are made of paper and/or plastic that may be diverted from landfills.
Regional materials	Place of extraction of agreggates 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.

RECOMMENDATIONS

Do not use high speed drills (500 rpm or more) when mixing the mortar, as it may introduce air in the mixture. If the plaster or stucco that will be installed will be more than 3 cm thick, use an anchored mesh for reinforcement. On shear walls, leave a gap between the mortar and the top slab and between the mortar and bottom slab. These gaps will constitute a joint that should be sealed with an elastomeric material that is able to absorb movements, like Maxiflex® 40.

LIMITATIONS

Do not use Chapisco® Dual as structural adhesive or on floors. Do not use over painted surfaces, metal, wood or acrylic plasters.

SHELF LIFE

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. 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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