MAXILEVEL® TOPPING 210

Floor leveling mortar 5 mm to 120 mm thick with 210 kg/cm² strength

DESCRIPTION

Maxilevel® Topping 210 is a cementitious mortar, designed to level and restore existing concrete floors, in a thickness from 5 mm to 120 mm.

USES

- Leveling and restoration of floors that will be subject to pedestrian and light vehicular traffic.
- Leveling and restoration of floors that will be covered with tile.
- Correcting slopes of existing concrete floors.

FEATURES

- It reaches a compressive strength of over 210 kg/cm² (20,6 MPa or 3000 psi), at 28 days.
- Plastic consistency; great workability.
- Excellent adhesion
- Does not suffer contraction or cracking even at 12 cm thick.
- More economy than leveling with a thin set.
- Tile can be installed after 72 hours.
- It can be walked-on (light traffic) after 24 hours.
- Compatible with most admixtures, plasticizers and set accelerators.
- Controlled and constant quality.
- Quick and easy to prepare; just add water.
- Long-lasting; contains high quality, clean sand. Does not contain sand from rivers or oceans.

PACKAGING

Costa Rica / Nicaragua	Ecuador	Panama
40 kg	40 kg	40 kg
Gray	Gray	Gray

COVERAGE (m²)

Thickness (mm)	5	10	20	50	70	90	100	120
40 kg bag	4,00	2,00	1,00	0,40	0,32	0,24	0,20	0,16

One 40 kg bag of Maxilevel® Topping 210 produces 20 liters of mortar. Coverage is approximate. This data is offered only as a guide. Tests on site should be made for a more accurate estimation.

INSTALLATION

WATER DOSAGE

Water dosage	Costa Rica / Nicaragua / Panama	Ecuador
40 kg bag	5,0 L - 6,0 L	5,25 L – 5,75 L

SURFACE PREPARATION

Surface must be clean, sound and free of loose particles, wax, sealers, curing compounds, grease, paint, efflorescence and any other contaminant. Make sure surface temperature is 30 ºC or lower. Clean the working area with water to eliminate all loose material and dampen the surface but avoid leaving standing water. In order to prime the surface, use Maximprimante Adhesivo or Maxicril®. Place the topping before the primer dries.

MIXING

Add Maxilevel® Topping 210 to clean water according to the water dosage table above. Mix to a plastic and homogeneous consistency.

APPLICATION

Once the screed guides have hardened, pour Maxilevel® Topping 210 over the primed substrate. Level with an aluminum screed while mortar is still workable. Once it is dry to the touch, finish it with a wood float or a rubber or metal trowel. Drying time may vary depending to weather conditions. Protect Maxilevel® Topping 210 from rain and vibration for at least 12 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

Thicknesses	
Minimum	5 mm
Maximum	120 mm

Time needed for:	
Light pedestrian traffic	24 hours
Heavy pedestrian traffic	7 days
Installing tile	72 hours*
Light vehicular traffic	7 days

*Time may be less, depending on mortar thickness and site conditions.

Information		Costa Rica/ Nicaragua	Ecuador	Panama
Flow ASTM C 1437	Percentage	117	118	104
Air content ASTM C 231	Percentage	9,0	5,2	5,5
VOC content	g/L	0,0	0,0	0,0
Set time ASTM C 266	Initial (min)	170	206	190
	Final (min)	290	315	290
Compressive strength ASTM C 109	3 days (MPa)	15,8	9,5	20,4
	7 days (MPa)	20,2	16,4	25,8
	28 days (MPa)	21,2	20,7	26,7
Flexural strength ASTM C 580	7 days (MPa)	4,5	3,5	7,5
	28 days (MPa)	5,3	4,9	10,2
Tensile strength ASTM C 307	7 days (MPa)	1,5	1,2	2,6
	28 days (MPa)	1,6	1,9	2,9

Master Format #: 03 53 00

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.

RECOMMENDATIONS

Excess water in the mix affects mechanical strength and product quality. Leave movement joints with polyurethane sealant, according to project specifications. Do not use water with a temperature higher than 25 °C. If several coats are required, allow 24 hours between them. Leave the previous coat rough and dampen it before placing the next one. For a topping ticker than 20 mm, one 40 kg bag may be mixed with up to 16 kg of 6,4 mm or 9,6 mm (1/4" or 3/8") gravel.

LIMITATIONS

Maxilevel® Topping 210 is a non-industrial floor leveling mortar. It is not designed to be exposed to heavy vehicular traffic.

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.

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.

COSTA RICA
clientes.cr@intaco.com
(506) 2205-3333

ECUADOR
clientes.ec@intaco.com
(593) 1700-100-200

PANAMÁ
clientes.pa@intaco.com
(507) 840-1200

NICARAGUA
clientes.ni@intaco.com
(505) 2298-0120