NIVELACIÓN Y PROTECCIÓN DE PISOS

MAXILEVEL® TOPPING BOMBEABLE 60

Floor leveling pumpable mortar 20 mm to 120 mm thick with 60 kg/cm² strength

DESCRIPTION

Maxilevel® Topping Bombeable 60 is a highly fluid and pumpable cementitious mortar, designed to level existing concrete floors, in a thickness from 20 mm to 120 mm, prior to the installation of decorative floor coverings.

USES

- Leveling and restoration of floors that will be covered with tile.

FEATURES

- It reaches a compressive strength of over 60 kg/cm² (6 MPa or 850 psi), at 28 days.
- May be applied with mixing and pumping equipment; allows for a faster installation of the mortar of approximately 1 m² per hour and helps increase productivity and work progress.
- Highly fluid consistency allows for it to achieve its own level with little help during placement.
- Does not require the construction of screed guides if screed leveling tripods are used.
- 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.
- Does not require other admixtures.
- Controlled and constant quality.
- Quick and easy to prepare; simply adjust the water in the pumping equipment.
- Long-lasting; contains high quality, clean sand. Does not contain sand from rivers or oceans.

PACKAGING

Ecuador / Panama
40 kg
Gray

COVERAGE (m²)

Thickness (mm)	20	50	70	90	100	120
40 kg bag	1,10	0,44	0,30	0,24	0,22	0,18

One 40 kg bag of Maxilevel® Topping Bombeable 60 produces 22 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	Ecuador / Panama
Approximate dosage in D-30 mixer	775 L/h
Manual dosage for a 40 kg bag	6,5 L - 7,5 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. A saturated surface dry condition is desirable; it is important to prevent the formation of air bubbles in the mortar that will be placed. In order to prime the surface in bonded floor leveling installations, use Maximprimante Adhesivo or Maxicril®. Place the topping before the primer dries. In all the perimeter of the area to be leveled, isolate with polystyrene foam to create a separation between 6 mm and 10 mm wide between the mortar and the surrounding walls. This will create a perimetral isolation joint.

MIXING

With mixing and pumping machine: Adjust the clean water in the machine, to guarantee a fluid and homogeneous mortar.

APPLICATION

Before installation, close all windows and doors and eliminate all air currents by using curtains or screens; this will prevent marks on the mortar. Protect all areas from sources of heat. Pump Maxilevel® Topping Bombeable 60 with a machine over a freshly primed surface; if necessary, use shaker of the correct thickness according to the screed leveling tripods, to help the material reach the corners. With small superficial movements of the shaker, eliminate trapped air in the fresh mortar. The product will maintain its consistency during its fluid period and will not require screeding. Place enough material to fill-up all the areas. Drying time may vary depending to weather conditions. Protect Maxilevel® Topping Bombeable 60 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	20 mm
Maximum	120 mm

Time needed for:	
Light pedestrian traffic	24 hours
Installing tile	72 hours

Information		Ecuador	Panama
Flow ASTM C 1437	cm	71	65,5
Air content ASTM C 231	Percentage	12,2	-
VOC content	g/L	0,0	0,0
Set time ASTM C 266	Initial (min)	385	-
	Final (min)	510	-
Compressive strength ASTM C 109	7 days (MPa)	4,6	4,7
	28 days (MPa)	6,0	6,1
Flexural strength ASTM C 580	7 days (MPa)	1,1	-
	28 days (MPa)	1,6	-
Tensile strength ASTM C 307	7 days (MPa)	0,8	-
	28 days (MPa)	1,0	-

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. Do not mix manually. Make sure concrete is at least 28 days old and has the necessary strength for the use it will have. Temperature and humidity in the air affect working, self-leveling and set times. Leave movement and control joints and respect existing ones. 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.

LIMITATIONS

Maxilevel® Topping Bombeable 60 is not designed to be exposed to abrasion or traffic; it must be covered by a floor finish (tile, vinyl or other). This product does not correct or compensate a structurally defective surface. Do not expose this product to wheel loads.

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.

Última versión: 2020-05-27

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