



NIVELACIÓN Y PROTECCIÓN DE PISOS

Maxitop® Multiuso

Mortar for horizontal industrial repair and leveling 5 mm to 20 mm thick

Description

Maxitop® Multiuso is a ready to use, shrinkage compensated, admixture-modified, early strength mortar designed to repair and level concrete surfaces exposed to heavy traffic in commercial and industrial, structural and non-structural, interior and exterior applications, in a thickness between 5 mm and 20 mm.

Uses

- Industrial floors.
- Warehouses.
- Repair shops and workshops.
- Parking lots.
- Ramps.
- Docks.
- Platforms.
- Areas exposed to heavy traffic.

Features

- Excellent adhesion, as well as tensile, compressive and flexural strength.
- Resists pedestrian traffic in 12 hours, wheel traffic in 72 hours and heavy vehicles in 7 days.
- Coefficient of thermal expansion similar to that of concrete.
- May be in contact with potable water.
- Does not suffer contraction, cracking or corrosion.
- Controlled and constant quality.
- Easy to prepare, just add water.
- Long-lasting, does not contain salts.



Maxitop® Multiuso	
MRc5 Regional materials:	Up to 2 points
IEQc4.1 Low-emitting materials:	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 dry, clean, sound and free of loose particles, wax, sealers, curing compounds, grease, paint, efflorescence and any other contaminant. For best results, cut the patch at 90° square edges and angles. Make sure surface temperature is 30 °C 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 Maxicril® Industrial. Whenever structural adhesion is required between Maxitop® Multiuso and the Surface, use Maxistik® 580 as adhesive. Place the topping before the primer dries.

Mixing:

Add Maxitop® Multiuso to clean water according to the table in Technical Data. Mix by mechanical means for 3 to 5 minutes, until a lump-free consistency is achieved. Use a low speed (300 rpm) drill and a mud mixer like Kraft's DC 713 7/16" x 30". Do not move the mixer in a vertical movement or mix for too long, in order to avoid trapping air inside. Mix only the amount of product that will be installed in the next 15 minutes.

Application:

As repair mortar: Use a metal trowel to apply and finish the mortar. Work the patch from the center towards the edges and

avoid entrapping air inside. In repairs of more than 20 mm and up to 50 mm in thickness, add to the mortar 40% of its weight in 9,5 mm (3/8") aggregate. When more than one coat is needed to achieve the desired thickness, use the edge of the trowel to scratch the first coat before applying the next one.

As leveling mortar or screed: Once the screed guides have hardened, pour Maxitop® Multiuso 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 on weather conditions. Protect Maxitop® Multiuso from rain for at least 12 hours.

Clean-up:

Clean all tools with soapy water before mortar dries.

Curing:

Keep surface damp with water for at least 24 hours after final set. For best results, extend the water curing period until 72 hours have passed. In hot weather, cure for 7 days.

Packaging

	Costa Rica / Nicaragua / Panama
Packaging	25 kg bag
Color	Gray

Coverage

Bag size	Volume produced
25 kg	12,5 L

Coverage depends on area, thickness and surface conditions. Tests on site should be made for an accurate estimation.

Technical Data

Water dosage	Costa Rica / Nicaragua / Panama
Water dosage per 25 kg bag	3,5 L to 3,7 L

Information	
Air content	13%
VOC	0,0 g/L
Wet density	1,950 kg/liter
Set times	
Initial set	290 min
Final set	410 min
Time necessary before	
Pedestrian traffic	24 h
Vehicular traffic	72 h
Compressive strength ASTM C 109	
1 day	11,4 MPa
3 days	25,6 MPa
7 days	30,7 MPa
28 days	39,5 MPa
Flexural strength ASTM C 580	
7 days	6,1 MPa
28 days	11,9 MPa
Tensile strength ASTM C 307	
7 days	3,2 MPa
28 days	3,4 MPa

Recommended thicknesses	
Minimum	5 mm
Maximum without aggregate	20 mm
Maximum with aggregate	50 mm

Limitations

This product should not be applied over active cracks. Anticipate any movement that may occur and provide joints accordingly. The use of mechanical trowels may, by effect of friction, cause over-heating and produce cracks or blisters on the surface.

Recommendations

Excess water in the mix affects mechanical strength and product quality. On floors subject to high traction forces, previously prepare very dense or smooth surfaces by mechanical means, like scarifying. Do not use water with a temperature higher than 20 °C. Make sure concrete substrate is at least 28 days old. Temperature and humidity affect working and setting times. On adverse weather conditions, use curtains to avoid direct sun rays and wind. Apply Maxitop® Multiuso only in temperatures between 10 °C and 32 °C. Leave movement joints with polyurethane sealant, according to project specifications. Never ignore existing movement or control joints or structural or movement cracks in the substrate. Do not add admixtures or cement. 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.

Última versión CT: 2017-07-27