

CREST

Premium Tile & Stone Installation Products



PRE-MIXED MASTIC Floor and Wall Tiles Adhesive

CREST MASTIK MP-300

CREST MASTIK MP-300® Ready to use, flexible organic adhesive, latex based, specially designed as a multipurpose adhesive for interior installations of most types of impervious, vitreous, semi and non-vitreous tiles such as porcelain, ceramic and natural stone on floors, walls and countertops. Ideal for kitchen backsplashes.

Can be applied over multiple substrates subject to deflection or movements such as: cement mortar beds, gypsum board, exterior grade plywood, cement board and existing ceramic tiles. Meets and exceeds ANSI A136.1 specifications for Type I and II.

Product Benefits:

- High compression and resistant to abrasion.
- Ready to use.
- Easy to apply.
- Great flexibility.
- Smooth and creamy consistency.
- Residential and commercial use.
- Non-sag formula for vertical application.
- Low odor

Suitable Tile Types:

- Impervious porcelain tiles.
- Vitreous, Semi and non-vitreous tile:
- Ceramic, mosaic, quarry and cement body tiles.
- Natural stone tiles

Suitable Substrates:

- Cement plasters.
- Bricks, pavers, masonry, cement mortar beds.
- Cement backers Units.
- Fully cured concrete.
- Gypsum wallboard (interior walls in dry areas only).
- Exterior grade plywood (exterior floors only).
- Properly prepared existing ceramic tiles.
- Vinyl.

Composition

CREST MASTIK MP-300® is a pre-mix adhesive, formulated with latex base resins, chemicals additives, calcium carbonates, polymers and inorganic aggregates.

Limitations of the Product:

- Install only at temperatures between 50°F and 100°F (10°C and 38°C).
- DO NOT apply CREST MASTIK MP-300® on areas like, showers, steam rooms, saunas or areas subject to water immersion.
- DO NOT install over substrates containing asbestos.
- DO NOT use for setting bathroom fixtures or grab bars.
- Do not use on plywood in exterior/ wet applications or in heavy traffic areas.
- DO NOT apply CREST MASTIK MP-300® over waterproofing membranes, particleboard,

Masonite, Chipboard, Luan, gypsum floor-patching compounds, metal or similar dimensionally unstable substrates.

- For the installation on special stones such as green marble or limestone, agglomerate tiles or resin-backed tiles use suitable epoxy or urethane adhesive. See respective Technical Data Sheet for more information or consult www.crest.com.mx for technical assistance.
- Install perimeter control and movement joints throughout the field as per Tile Council of North America specifications listed under EJ 171 of the TCNA Handbook for Ceramic Tile Installations.

Surface Preparation

Before preparing the mixture of CREST MASTIK MP-300® it is necessary to clean the surface, dimensionally stable, flat and clean, free from oil, paint, sealers, wax, dirt or any other type of impurity that might prevent proper adherence.

Concrete must be cured 28 days. Concrete must be free of efflorescence and not subject to hydrostatic pressure.

Concrete slabs should have a coarse finish to enhance the bond. Expansion joints should never be bridged with setting material. Do not sand flooring materials containing asbestos.

Install only at temperature between 50° F (10°C) and 100°F (38°C) for 72 hours to achieve proper bond.

Surface preparation must conform the norm ASTM D4259- 88 (2012), depending on the cases presented at the site of installation.

If the installation is over plywood, you must screw or nail tight loose floorboards. If the subfloor is less than 1" thick, cover it with ½" thick exterior grade plywood. Leave a minimum of ¼" gap between all sheets or where they support surrounding walls or fixtures. Fasten plywood with 5d or 6d cement coated screw shank nails.

Mixing Procedures

CREST CREST MASTIK MP-300® is ready to use, simply open the product and apply. No mixing is required.

Product Application

Installation must conform to all aspects of ANSI A136.1.

- 1) Select the appropriate type and size for the notched trowel according to the type of tile and condition of the substrate in order to get the desired coverage rates.
- 2) Apply a skim coat of CREST MASTIK MP-300® to the surface with the flat side of the trowel which will anchor the mastic into the substrate.
- 3) With the notch side of the trowel, held at 45° angle of the surface, combing the ridges in one direction.
Cover only the area that you can install in 60 minutes, depending on temperature and humidity conditions.
- 4) Place the tiles and slide them in a perpendicular motion back and forth across the ridges of the adhesive while applying downward pressure. Press the tiles until a contact area at least of 85% indoors and 95% outdoors is achieved.
- 5) Clean with a damp cloth any residue of adhesive when the material still fresh.
- 6) Once the installation is finish, it will be necessary to wait 48 hours before grouting). Use

www.crest.com.mx/usa
technicalservice@crest.com.mx

JuntaCREST Ultramax® for grout joints up to 1/8" in width. For joints widths from 1/8" to 1/2" use BoquiCREST Ultramax®, All CREST Ultramax grouts provide great stability and have excellent compressive strengths which make them resistant to cracking and wear from traffic. For installations that require higher impact ratings and resistance to chemicals and stain, use EpoxyCREST 2020, 100% solids epoxy grout sanded, available in 5 colors. In facilities that are subject to structural micro movements, thermal shock or vibration is suggested the use of flexible joints systems, such as CREST Flexigrout®. 7) After grouting the installation is necessary to wait 24 hours before allowing foot traffic. If the temperature is below 50°F, wait 48 hours.

Open Time

The average open time of CREST MASTIK MP-300® is 60 minutes. Extreme weather conditions of temperature and relative humidity can affect the open time, so you must to verify that the CREST MASTIK MP-300® is cool before placing the tiles.

Expansion and Control Joints

Follow ANSI specification A108.01 "Requires for Movement Joints"; Provide for expansion and control joints as specified per TCNA Detail EJ171 or TTMAC Specification Guide 09 30 00 Detail 301EJ. Do not cover any expansion joints with mortar.

Storage

Store it in a cool dry area.

Protection

Clean your hands after use it, avoid eye contact, or prolonged contact with skin, if eye contact occurs, flush with water for 15 minutes and consult a physician immediately. Keep out of reach of children.

Almacenaje

Lávese las manos después de utilizarlo. Evite el contacto con los ojos, o un contacto prolongado con la piel, si esto ocurriera, lave con agua durante 15 minutos y consulte a su médico de inmediato.

Manténgase fuera del alcance de los niños.

IMPORTANT

We are not responsible for any loss or damage caused due to the application of this product. Prior to application, the user must confirm whether the product is suitable for your intended use. The user must assume responsibility for the risks or damages arising from an application other than specified.

Standards and Approvals

- American National Standards Institute (ANSI) - ANSI A108.1, A136.1, of the American National Standards for the Installation of Ceramic Tile.
- Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171.
- ISO 13007
- ASTM D4259-88 (reapproved 2012)

Summary Technical Chart:

Available:	White
Packaging:	3.5 Gal. Pail (13.2 lt.)
Shelf Life:	18 months in a cool dry area, in original packing and unopened.
Open Time:	60 Minutes
Installation Temperature:	Between 50/100°F (10/38°C)
Density:	1.45 kg/L
Average Shear Strength:	300 PSI (21.1 Kg/cm ²) @ 28 days
Average Tensile Strength:	175 PSI (12.5 kg/cm ²) @ 28 days
Stain Test:	0% penetration
Impact Test:	All tiles remained bonded
Test for mold growth:	Does not support mold growth

*Los valores pueden varias dependiendo del tamaño, nivel de sustrato, condiciones y método de instalación.

ANSI Specification

Test Method	Requirements	Test Method Requirements Test Results
A136.1 - Shear strength test - Std. Conditions	> 50 PSI (0,34 Mpa) @ 7 days	250 - 300 PSI
A136.1 - Shear strength test - water immersion	> 50 PSI (0,34 Mpa) @ 7 day	80 - 120 PSI
A136.1 - Shear Strength Test	> 50 PSI (0,34 Mpa) @ 28 days	300 - 400 PSI

Note:

Average values obtained at 73°F ± 4°F and relative humidity of 50 ± 5%. Performances vary depending on the format and size of the trowel to use as the leveling of the substrate.

CREST MASTIK MP-300

Latex- based polymer modified meet and exceeds ANSI A136.1 type I & II For walls and floors exteriors Porcelain, glass, mosaics, ceramic tiles and natural stones *Monterrey and Mexico plants Certified.

Technical Information

For technical support and assistance, please visit our website at www.crest.com.mx/usa ,For questions or comments contact technicalservice@crest.com.mx