



# Mapetape<sup>TM</sup> BB

## Butyl-Based, Sealing Tape for Use with MAPEI's Bitumen-Based, Crack-Isolation Membranes



### DESCRIPTION

*Mapetape BB* is a butyl-based, waterproofing sealing tape for use with MAPEI peel-and-stick, crack-isolation membranes. *Mapetape BB* has an extremely aggressive grip and superior long-term adhesion, ensuring immediate sealing upon contact. It is reverse-rolled for easy, fast application. A clear release liner on one side allows for easy handling and dry-fitting. *Mapetape BB* is compatible with *Mapeguard*<sup>®</sup> 2, *Mapesonic*<sup>™</sup> 2, *Mapesound*<sup>™</sup> 90 and *Mapeguard CI* membranes.

### FEATURES AND BENEFITS

- Bonds upon contact
- Leak-proof seams
- Convenient release liner
- Solvent-free

### INDUSTRY STANDARDS AND APPROVALS

- ANSI A118.10, Section 4.5 (waterproofness): Passes
- ANSI A118.10, Section 4.2 (seam strength): Passes

### WHERE TO USE

- Floor applications that are residential (homes, apartments and condominiums) and commercial (airports, malls, office buildings, restaurants and galleries), both interior and exterior (with proper drainage)

### LIMITATIONS

- Do not use in installations where TCNA environmental exposure classifications above Res1, Res2, Res6, Com1, Com2 or Com6 are required.

- Do not use on shower floors or in submerged applications.
- Do not apply this product where temperatures exceed 200°F (93°C).
- Do not stretch this product during application.
- Do not use where acidic or alkaline chemicals are present (such as lab fume hood, vents, etc.).

### SUITABLE SUBSTRATES

- Concrete (cured for at least 28 days)
- Cement mortar beds and leveling coats
- Cement backer units (CBUs) – see manufacturer's installation guidelines
- Cement and epoxy terrazzo floors
- Well-bonded ceramic tile and natural stone
- Vinyl composition tile (VCT)
- APA Group 1 and CANPLY 0121 exterior-grade plywood (interior, residential and light commercial floors and countertops in dry conditions only). See the TCNA Handbook for additional information.

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

### SURFACE PREPARATION

- All suitable substrates must be clean, dry, smooth, structurally sound and free of any substance or condition that may reduce or prevent proper adhesion.
- Use mechanical methods only to prepare approved substrates. Do not use chemical means (acid etching or stripping).



- To remove any bond-inhibiting materials, mechanically clean and prepare concrete substrates by diamond-cup grinding or other engineer-approved methods to obtain the International Concrete Repair Institute (ICRI) concrete surface profile (CSP) #2. When concrete requires more mechanical preparation, the profile will typically increase. In such cases, the surface should be made smooth by applying *Mapecem<sup>®</sup> Quickpatch*. For large areas, consider using one of MAPEI's self-leveling underlayments. See the respective Technical Data Sheets (TDSs) for more information.
- See the "Surface Preparation Requirements" reference guide in the Tile & Stone Installation Systems section of MAPEI's Website.

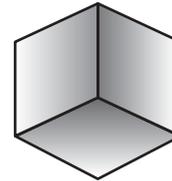
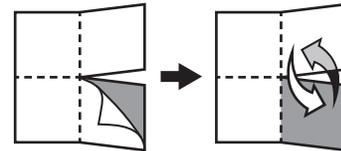
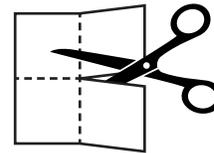
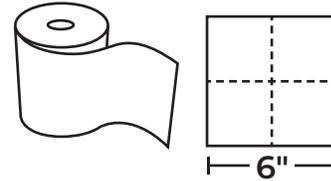
## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

**Caution: *Mapetape BB* bonds immediately and permanently upon contact with the substrate once the clear release liner is removed. There is no forgiveness and zero room for adjustments once contact is made with the substrate. If this is your first time using this product, you should experiment with using the tape before its use on the jobsite.**

- Cut and dry-fit the sheet membrane in place. Where two portions of sheet membrane abut, run a pencil line on the floor and roll the membrane back out of the way to allow for the tape installation.
- Prime the substrate with *MAPEI SM Primer<sup>™</sup>*, *MAPEI SM Primer Fast* or *MAPEI HM Primer<sup>™</sup>*. Allow the primer to dry.
- Cut, center and dry-fit *Mapetape BB* over any previously drawn pencil lines. Peel off the clear release liner to bond the sticky putty side of the tape to the primed floor. With the release liner removed, the tape will bond immediately and permanently to the substrate with no room for adjustments, so be completely sure that you are placing the tape where you want it permanently. The non-removable, black side of the tape should be facing up.
- Sealing walls and corners:
  - For walls: Measure the length of each wall and cut pieces of *Mapetape BB* to length. Miter the corners of the tape so that it sits flat. Dry-fit the tape with the release liner in place. Peel back the release liner only 50% of the width (3" or 7.5 cm) and affix the tape to the primed substrate. Once the tape is in place, remove the remaining release liner to affix the tape to the wall. Be careful not to stretch the tape.
  - For corners: Form inside corners, with one piece of *Mapetape BB* per corner. Per the diagram, cut a piece of tape that is 6" [15 cm] long, and bend it into quadrants. Cut along one of the quadrant lines to the center of the tape. On one of the quadrants that has been cut, peel back the release liner to the center of the tape. Make sure to keep the liner in place on

the other three quadrants of the tape. Assemble the corner by bonding the peeled quadrant over the other side of the cut. This will create a corner that still can be handled, because the release liner is still installed on the remaining three sides of the corner. Insert the pre-formed corners by removing the release liner and pressing into place over the previously mitered corners, being careful not to stretch the tape.



- Apply *Mapesil<sup>™</sup> T* or a sealant around every change in plane.
- Once all seams, corners and changes in plane have been addressed with *Mapetape BB*, install the sheet membrane per its TDS instructions. The exposed bitumen layer of the sheet membrane will bond to the exposed black side of *Mapetape BB*.
- Roll the tape and edges using a hard-rubber hand roller, flattening any wrinkles, filling any voids and creating a smooth surface without air pockets.
- Flood-test after 24 hours.

### Product Performance Properties

Peel strength – ASTM D3330 Modified	> 10 lbs. per in. (4.54 kg per 2.5 cm)
Tensile strength – ASTM D1970	4.5 lbs. per in. (2.04 kg per 2.5 cm)
Elongation – ASTM D1970	> 700%
Flexibility (low-temperature)	Passes, with no cracking

### Shelf Life and Product Characteristics

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Chemistry	Elastomeric, modified, butyl rubber
Colors	Black: non-gloss, non-removable, polyethylene backing Gray: butyl tape Clear: release liner
Weight per roll	4.6 lbs. (2.09 kg)
Flammability	Non-flammable (contains no asbestos, CFC or PCB)
Thickness	30 mils
Bonding time	Full bond after 24 hours
Service temperature	-20°F to 180°F (-29°C to 82°C)
Storage temperature	35°F to 110°F (2°C to 43°C)

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

### Packaging

Size
Roll, 6" x 50 ft. (15 cm x 15.2 m), 8 rolls per case

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact [sustainability\\_USA@mapei.com](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

#### LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

[www.mapei.com](http://www.mapei.com). **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use,

and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



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