

# Mapebond 720

## Water-Based Contact Adhesive



## DESCRIPTION

*Mapebond*™ 720 is a quick-drying, water-based, high-tack contact adhesive. It is specifically formulated to promote maximum adhesion of MAPEI waterproofing membranes to various substrates.

## FEATURES AND BENEFITS

- Quick-drying
- Aggressive tack improves the adhesion of membranes to many substrates.
- Low in odor
- Ready to use; no mixing or dilution required
- For vertical and horizontal applications
- Water-based and nonflammable
- For attaching *Mapedrain*™ drainage composites to *Mapethene*™ and *Planiseal*® CR1 waterproofing

## WHERE TO USE

*Mapebond* 720 is suitable for vertical and horizontal applications when the substrate and ambient temperatures are as low as 40°F (4°C), and is formulated to enhance the bond between MAPEI waterproofing membranes and various substrates.

## LIMITATIONS

- Applications are limited to substrate and ambient temperatures as low as 40°F (4°C).
- Substrates must be clean and dry. *Mapebond* 720 is not to be installed over ponding or standing water, snow or ice.
- Use in well-ventilated areas and avoid breathing vapors.
- Will not attack polystyrene insulation

- Do not apply *Mapebond 720* when rain is imminent.
- Avoid allowing *Mapebond 720* to puddle, as this will lengthen drying time.
- Cold temperatures will extend drying time.
- Using *Mapebond 720* to attach a *Mapedrain* product to waterproofing is a temporary attachment. *Mapedrain* products will be held permanently in place when the backfill or overburden is in place.

## SUITABLE SUBSTRATES

- Concrete and concrete masonry units (CMUs)
- Wood
- Metal
- PVC
- Gypsum sheathings with glass-mat facers

## SURFACE PREPARATION

All surfaces to receive *Mapebond 720* should be dry, frost-free and free of dirt, dust, grease, rust, oil, curing agents and other contaminants. Application should be limited to an area that will be covered by a waterproofing membrane the same day. If the application area is not covered by a waterproofing membrane in the same day, *Mapebond 720* must be reapplied before installation of the waterproofing membrane.

### For gypsum-sheathing with glass-mat facers

When MAPEI sheet membranes are installed over gypsum sheathing with glass-mat facers, coverage rates for contact adhesives will vary depending on the porosity and texture of the sheathing and will vary substantially by gypsum sheathing manufacturer. It will be necessary to decrease the coverage rate, which increases the amount of contact adhesive used. Additionally, multiple coats of contact adhesive may be required to achieve a consistent coverage with adequate tack. MAPEI contact adhesives must be allowed to dry completely before additional coats are applied or the waterproofing membrane is installed. Applications of MAPEI contact adhesives over gypsum sheathing with glass-mat facers will take longer to dry than other substrates. To ensure a successful application, multiple adhesion tests should be performed randomly to verify proper application of the contact adhesive.

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details. Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

### Priming application:

1. Apply *Mapebond 720* with a medium-nap or 3/8" (10 mm) nap roller or with a brush. Do not pour *Mapebond 720* directly onto the substrate.
2. Completely cover the substrate with an even coat of *Mapebond 720* at 250 to 425 sq. ft. per U.S. gal. (6.12 to 10.4 m<sup>2</sup> per L).
3. Porous substrates such as masonry, wood or gypsum sheathings with glass-mat facers will require additional material, reducing the coverage rates for proper adhesion.

4. Allow *Mapebond 720* to dry for about 20 minutes at 75°F (24°C). The adhesive is sufficiently dry when it is tacky but will not transfer when touched. Adverse climate conditions (such as high humidity and cooler temperatures) or porous substrates will necessitate additional drying time.

#### *Mapedrain* installation:

1. Ensure the waterproofing membrane and the hard plastic side of the *Mapedrain* product are clean and dry.
2. Apply *Mapebond 720* with a medium-nap or 3/8" (10 mm) nap roller or with a brush. Do not pour *Mapebond 720* directly onto the waterproofing membrane or drainage composite.
3. Completely cover the waterproofing membrane and the hard side of *Mapedrain* with an even coat of *Mapebond 720* at 425 sq. ft. per U.S. gal. (10.4 m<sup>2</sup> per L).
4. Allow *Mapebond 720* to dry for about 20 minutes at 75°F (24°C). The adhesive is sufficiently dry when it is tacky but will not transfer when touched. Adverse climate conditions (such as high humidity and cooler temperatures) will prolong the drying time.
5. Position and apply *Mapedrain* to the waterproofing and press using firm hand pressure to mate the two together. (Note that this is a temporary attachment and that *Mapedrain* will be held permanently in place when the backfill or overburden is in place.)

## STORAGE

Store *Mapebond 720* at between 40°F and 110°F (4°C and 43°C). Protect it from weather and do not store it in direct sunlight. Improper storage could lead to product deterioration, making proper application of *Mapebond 720* difficult or impossible.

### Shelf Life and Product Characteristics

Shelf life	1 year when properly stored
Color	Green
VOCs (Rule #1168 of California's SCAQMD)	7 g per L
Adhesion to concrete – ASTM D6511	> 20.0 lbs. per lin. in.

### Packaging and Coverage\*

Pail: 5 U.S. gals. (18.9 L), covering 250 to 425 sq. ft. per U.S. gal. (6.12 to 10.4 m<sup>2</sup> per L)

\* Coverage rates for liquid-applied products are based on theoretical coverage relative to the percentage of solids in the material. These are recommended coverage rates to achieve the required dry-film thickness for the product and do not account for substrate condition or porosity. Thicker application of the product may be required to achieve the required dry-film thickness depending on the porosity and surface profile of the substrate.

## ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

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.**

## CONTACT INFORMATION

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### Customer Service

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For the most current product data and BEST-BACKED<sup>SM</sup> warranty information,  
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