

Mapebond 710

Low-VOC, Solvent-Based Contact Adhesive



DESCRIPTION

Mapebond™ 710 is a low-VOC, quick-drying, solvent-based, high-tack contact adhesive. It is specifically formulated to promote maximum adhesion of MAPEI waterproofing membranes to various substrates.

FEATURES AND BENEFITS

- The low content of volatile organic compounds (VOCs) is less than 250 g per L and is compliant with most state and local VOC requirements for adhesives and sealants. Note: Be sure to check all applicable regulations, based on the project location.
- Quick-drying
- Aggressive tack improves the adhesion of membranes to many substrates.
- Ready to use; no mixing or dilution required
- For vertical and horizontal applications
- Wide temperature application window, down to 25°F (-4°C)

WHERE TO USE

Mapebond 710 is suitable for vertical/horizontal applications at normal and low temperatures (down to 25°F [-4°C]) and is formulated to enhance the bond between MAPEI waterproofing membranes and various substrates.

LIMITATIONS

- Substrates must be clean and dry. *Mapebond* 710 is not to be installed over ponding or standing water, snow or ice.
- Use in well-ventilated areas and avoid breathing vapors.
- The solvent in *Mapebond* 710 attacks polystyrene insulation.

- Do not apply *Mapebond 710* when rain is imminent.
- Avoid allowing *Mapebond 710* to puddle, as this will lengthen drying time.
- Cold temperatures will extend drying time.

SUITABLE SUBSTRATES

- Concrete and concrete masonry units (CMUs)
- Wood
- Metal
- Gypsum sheathings with glass-mat facers
- Locations that have adopted Ozone Transport Commission (OTC) regulations

Note: Be sure to check for any additional regulations that may be applicable based on the project location.

SURFACE PREPARATION

All surfaces to receive *Mapebond 710* 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 710* 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.

1. Apply *Mapebond 710* with a medium-nap or 3/8" (10 mm) nap roller or with a brush. Do not pour *Mapebond 710* directly onto the substrate.
2. Completely cover the substrate with an even coat of *Mapebond 710* at 250 to 425 sq. ft. per U.S. gal. (6.12 to 10.4 m² 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 710* 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.

STORAGE

Store *Mapebond 710* at between 32°F and 68°F (0°C and 20°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 710* difficult or impossible.

Shelf Life and Product Characteristics

Shelf life	1 year when properly stored
Color	Blue
Adhesion to concrete – ASTM D6511	> 20.0 lbs. per lin. in.
VOCs (Rule #1168 of California's SCAQMD)*	226 g per L

*Acetone, PCBFT and t-butyl acetate are exempt compounds.

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 m² 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 (USA) or 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. **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

MAPEI Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

Technical Services

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

Canada:

1-800-361-9309

Customer Service

1-800-42-MAPEI (1-800-426-2734)

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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