

Ultrabond Track PU 2K

Premium, Two-Part, Polyurethane Track Adhesive



DESCRIPTION

Ultrabond® Track PU 2K is a two-part, polyurethane adhesive designed for indoor and outdoor sports-flooring installations that demand high performance in various weather conditions. *Ultrabond Track PU 2K* provides excellent resistance to heat, moisture and low temperatures.

FEATURES AND BENEFITS

- Available in several colors to blend with track colorations
- Outstanding adhesion in areas with extra heavy traffic and rolling loads
- Excellent for outdoor applications subject to freezing and water exposure

WHERE TO USE

- Interior and exterior residential applications
- Interior and exterior commercial applications
- Interior and exterior heavy-commercial applications
- Interior and exterior institutional applications

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Do not install over gypsum-based surfaces.
- Do not install when the concrete slab moisture vapor emission rate (MVER) exceeds 8 lbs. per 1,000 sq. ft. (3.63 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity (RH) of concrete slabs exceeds 85% (ASTM F2170).
- Install only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient RH is below 65%.
- The substrate temperature should be 10 degrees Fahrenheit (6 degrees Celsius) above the dew point.

SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and cement terrazzo
- Cement-based, self-leveling underlayments and patching compounds
- Embossing levelers applied over existing and fully bonded ceramic tile
- A single layer of fully bonded VCT
- Fully cured asphaltic surfaces that are sound and free from contamination

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

SURFACE PREPARATION

- All substrates must be structurally sound, dry, solid and stable.
- Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.
- Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.
- Concrete slabs exceeding 8 lbs. (3.63 kg) in MVER and above 85% RH should be treated with one of MAPEI's moisture-vapor-reduction products. See information on these products at www.mapei.com.
- Use a moisture meter to check the RH of the flooring, substrate surface and general jobsite area. Follow the flooring manufacturer's guidelines.
- See the "Surface preparation requirements" reference guide in the Floor Covering Installation Systems section of MAPEI's Website.

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

1. Parts A and B are packaged to exact quantity ratios for maximum performance.
2. Protect flooring from adhesive spills.
3. Pour all material out of the Part B (liquid) container into Part A (paste). Place the cap back on the Part B container and turn the container upside-down to ensure that all remaining material drains into the cap. Pour the remaining material into Part A. Always mix complete units. Do not add other materials to this mixture.
4. Use a low-speed mixer to ensure that the material is mixed thoroughly to a smooth, homogenous paste consistency (generally within 3 minutes). Do not allow the mixed product to sit in the container. Immediately after mixing, apply the adhesive to the substrate.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Typical notched trowels are listed in the “Approximate Coverage” section, but always consult the floor-covering manufacturer’s recommendation regarding the proper trowel to use, ensuring 100% coverage of the flooring material’s backing.
2. Do not spread more adhesive than can be covered with flooring material within 30 minutes. After spreading the adhesive, immediately install the flooring material into the adhesive while it is still fresh. Periodically lift the material to confirm proper adhesive transfer to the backing.
3. Note that the floor temperature directly affects setting time. The warmer it gets, the faster it sets; the cooler it gets, the slower it sets.
4. Roll the flooring surface across the width and length with the manufacturer’s recommended roller to break down adhesive ridges and to ensure complete removal of trapped air. Pull (rather than push) the roller, so that footprints are not left on the floor.
5. Complete the installation per the flooring manufacturer’s instructions.
6. Because the initial grab of *Ultrabond Track PU 2K* is low, it is sometimes necessary to apply weights, particularly at the seams, to maintain contact until the adhesive sets.

CLEANUP

- While the adhesive is still fresh, promptly use an appropriate solvent or cleaning material to clean adhesive smudges from the flooring material’s surface and the tools. Once cured, the adhesive can only be removed by mechanical means.

PROTECTION

- Do not walk on the flooring until 24 hours after the installation. If walking on the floor is necessary before this time, lay plywood boards across the floor to disperse the load. Movement of the flooring while the adhesive is setting may affect the bond. Do not allow heavy traffic until 72 hours after the installation.

Product Performance Properties

Laboratory Tests		Results
Polymer type		Epoxy-modified polyurethane
Solids content		100%
VOCs (Rule #1168 of California's SCAQMD)		< 38 g per L
Flash point		
Part A		> 104°F (40°C)
Part B		> 59°F (15°C)

Shelf Life and Product Characteristics

before mixing

Shelf life		1 year when stored in original, unopened packaging at 73°F (23°C)
Storage conditions		40°F to 100°F (4°C to 38°C)
Consistency		Buttery
Color		Available in 13 standard colors
Protect from traffic		24 hours for light traffic, 72 hours for heavy traffic

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.

Application Properties

at 73°F (23°C) and 50% relative humidity

Flooring	Flash Time*	Working Time**
All flooring types	0 minutes	30 minutes

* Flash time is the waiting time required before installing flooring.

** Working time is the window of time for the adhesive to accept flooring.

Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Approximate Coverage***

Flooring Type	Typical Trowel	Coverage
Solid vinyl sheet, tile and plank; vinyl composition tile	1/32" x 1/16" x 1/32" (1 x 1.5 x 1 mm), U-notch	185 to 245 sq. ft. per U.S. gal. (4.53 to 6.0 m ² per L)
Rubber flooring; linoleum; cork flooring	1/16" x 1/16" x 1/16" (1.5 x 1.5 x 1.5 mm), square-notch	125 to 185 sq. ft. per U.S. gal. (3.06 to 4.53 m ² per L)
Rough-backed carpet; reground rubber flooring; sports floors	3/32" x 3/32" x 3/32" (2.5 x 2.5 x 2.5 mm), V-notch	70 to 80 sq. ft. per U.S. gal. (1.71 to 1.96 m ² per L)

*** Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

Packaging

Size
Kit: 2 U.S. gals. (7.57 L)
Part A: 1.81 U.S. gals. (6.85 L)
Part B: 0.19 U.S. gal. (719 mL)

RELATED DOCUMENTS

- Reference Guide: "Surface preparation requirements" for floor-covering installation systems[†]

[†] At www.mapei.com

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).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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,
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