

Ultrabond ECO 570

Premium, Urethane Rubber-Sports-Flooring
Adhesive



DESCRIPTION

Ultrabond ECO® 570 is a moisture-curing, one-component, polyurethane polymer adhesive specifically designed for the direct bonding of high-performance reground-rubber sports flooring in interior or exterior applications. Its unique formulation is perfectly suited for most types of reground-rubber sports flooring and provides an aggressive and durable bond. *Ultrabond ECO 570* utilizes rapidly renewable raw materials as part of the formulation and is free of phthalate plasticizers.

FEATURES AND BENEFITS

- 100%-solids formulation, with no solvent added
- Excellent trowel-ridge holdout and green strength
- Extremely low-odor formula with negligible VOC content

WHERE TO USE

- Interior and exterior reground-rubber sports-flooring installations in professional and educational athletic and fitness centers
- Commercial and residential installations of reground-rubber sports-flooring and underlayments

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Do not apply over any adhesive residues, including cutback adhesive.

- Do not install over standing water.
- Protect from rain for 72 hours after installation.
- Install only in areas recommended by the flooring manufacturer.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient relative humidity is between 20% and 80%. Note: When the ambient relative humidity is lower than 20%, longer curing times will be expected.
- Do not use as a leveling, patching or subfloor repair material.

SUITABLE SUBSTRATES

- Exterior-grade plywood and other approved wood underlayments (per the flooring manufacturer's recommendations)
- Concrete (at least 28 days old) installed per guidelines outlined in ASTM F710
- Epoxy and cement terrazzo
- Cement-based, self-leveling underlayments and patching compounds

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

SURFACE PREPARATION

- All substrates must be prepared in accordance with the sports-flooring manufacturer for the type of intended use and must comply with current regulations or standards.
- All substrates must be structurally sound, dry, solid, stable, level and flat.
- 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.
- Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic pressure or moisture-related problems.

Refer to MAPEI's "Surface preparation requirements" document for floor-covering installation systems at www.mapei.com.

MIXING

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

- Ready to use; no mixing is necessary.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Select the appropriately notched trowel (see the "Approximate Coverage" section below).
2. Key in adhesive to the surface of the substrate using the trowel's flat side.
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.

- 4. Only apply as much as can be installed within 30 to 60 minutes.
- 5. Install flooring in strict accordance with the flooring manufacturer's written instructions.
- 6. Adhesive transfer to the backing should be confirmed periodically by lifting the flooring material.

CLEANUP

- *Ultrabond ECO 570* is extremely difficult to remove when cured.
- Immediately use *Ultrabond® Urethane Cleaner* to clean any adhesive smudges from the flooring material's surface while the adhesive is still fresh/wet.
- Immediately clean tools with *Ultrabond Urethane Cleaner* while the adhesive is still fresh/wet.

PROTECTION

- Protect from light traffic for at least 12 hours, and from heavy traffic for at least 24 hours.
- Protect from rain/water exposure or freezing conditions for 24 hours after installation.
- Building owners should be advised of the flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation.

Product Performance Properties

Laboratory Tests	Results
Solids content	100%
VOC content (SCAQMD Rule 1168)	< 50 g per L
Typical VOC content per SCAQMD Rule 1168	7 g per L
Flash point (Tag)	> 200°F (93°C)

Shelf Life and Product Characteristics

before mixing

Polymer type	Urethane polymer
Color	Tan
Shelf life	1 year when stored in original packaging
Storage conditions	50°F to 90°F (10°C to 32°C)

Application Properties

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

Flash time*	0 minutes
Working time**	30 to 60 minutes
Adjustability time***	1 to 2 hours

* Flash time: The amount of time recommended for the adhesive to remain exposed to the air following application before the installation of a floor covering.

** Working time: The maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.

*** Adjustability time: The window of time when adjustments can still be made to the position of the floor covering without compromising the bond of the adhesive.

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

Packaging

Size
Pail: 5 U.S. gals. (18.9 L)

Approximate Coverage† – Direct Adhesive Bonding

Flooring Type	Typical Trowel	Coverage
Reground rubber mats or rolls	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm), U-notch	85 to 95 sq. ft. per U.S. gal. (2.08 to 2.33 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.

RELATED DOCUMENTS

- Reference guide: "Surface preparation requirements" for floor-covering installation systems††

†† At www.mapei.com

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (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.**

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For the most current product data and BEST-BACKEDSM warranty information,
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