



Ultrabond G17®

Conductive Epoxy Flooring Adhesive



DESCRIPTION

Ultrabond G17 is a two-part reactive epoxy adhesive with low volatile organic compounds (VOCs), designed for the installation of electrostatic dissipative or conductive flooring.

FEATURES AND BENEFITS

- Conducts electrostatic charges to the "electrical ground"
- Permanent bond
- Fast-setting

INDUSTRY STANDARDS AND APPROVALS

- RFCI IP #1 – Recommended Installation Practice for Homogeneous Sheet Flooring, Fully Adhered
- RFCI IP #2 – Recommended Installation Practice for Vinyl Composition Tile (VCT)
- RFCI's Recommended Work Practices for Removal of Resilient Floor Coverings

WHERE TO USE

- For the installation of conductive VCT and conductive vinyl sheet flooring
- Interior commercial (electronic assembly plants, computer rooms, medical operating rooms)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity (RH) of the concrete substrate exceeds 80% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).

SUITABLE SUBSTRATES

- Concrete and properly prepared cement terrazzo
- Cement-based, self-leveling underlayments and patching compounds
- Other approved substrates (per the flooring manufacturer recommendations)

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 5 lbs. (2,27 kg) in MVER and 80% RH should be treated with a moisture vapor reduction product. Refer to Technical Data Sheets at www.mapei.com for information on these products.
- Refer to MAPEI's "Surface Preparation Requirements" document for floor-covering installation systems at www.mapei.com.

MIXING

Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

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 container into Part A. 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.

Product Performance Properties

Laboratory Tests	Results
Polymer type	Epoxy
Percent solids	100%
VOCs	20 g per L
Pot life	60 minutes
Color	Black (mixed)
Shelf life	2 years when stored in original packaging at 73°F (23°C)
Storage conditions	50°F to 90°F (10°C to 32°C)
Flash point	> 200°F (93°C) for Parts A and B

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 Characteristics

	Flash Time†	Working Time††
Conductive resilient sheet and tile	0 minutes	30 minutes

† Flash time is 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 is the maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.

Note: Working time and adjustment time vary based on temperature, humidity, substrate porosity and jobsite conditions.

Packaging

Product Code	Size
93753	Kit: 1 U.S. gal. (3,79 L)

Approximate Product Coverage*

Flooring Type	Typical Trowel	Coverage
Conductive resilient sheet and tile	U-notch, 1/32" x 1/16" x 1/32 (1 x 1,5 x 1 mm)	185 to 245 sq. ft. per U.S. gal. (4,53 to 6,0 m ² per L)

* Coverage shown is for estimating purposes only. Actual jobsite coverages may vary according to substrate conditions and setting practices.

4. Use a low-speed mixer (< 300 rpm) 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.
5. Wash all tools with mineral spirits immediately after mixing. Once cured, *Ultrabond G17* can be removed only by mechanical means.

Note: Do not leave mixed epoxy adhesive in original can: The heat generated by this chemical mixture reduces the open time of the adhesive.

PRODUCT APPLICATION

1. Pour the entire contents onto the properly prepared floor.
2. Select the appropriately notched trowel (see "Approximate Product Coverage" section).
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
4. Do not spread more adhesive than can be covered with floor covering within 30 minutes.
5. Install flooring immediately in strict accordance with the flooring manufacturer's written instructions.
6. Roll the flooring surface across the width and length with the manufacturer's recommended roller immediately after installing. Do not walk on installed flooring; protect with floor boards. Multiple rolling may be required in order to maintain proper flooring placement during cure.

CLEANUP

Clean up adhesive residues with mineral spirits. *Ultrabond G17* can only be removed by mechanical means when dry.

PROTECTION

Do not walk on the flooring until 12 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. Wait at least 36 hours before allowing heavy traffic and the application of the manufacturer's recommended floor finishing materials.

RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409**
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** At www.mapei.com.

Refer to MAPEI's MSDS for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **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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