



Ultrabond G15[®]

**Premium, Fast-Setting,
Epoxy Flooring Adhesive
for High-Moisture Conditions**



DESCRIPTION

Ultrabond G15 is a fast-setting, two-part reactive epoxy adhesive with low volatile organic compounds (VOCs), designed for the installation of rubber and vinyl flooring in high-moisture conditions. *Ultrabond G15* provides the ultimate in bond and shear strength, can be used on concrete slabs with high moisture vapor emission rates, and is recommended for high-traffic installations where superior indentation resistance and performance are required.

FEATURES AND BENEFITS

- Low perm rating
- Fast-setting and easy to apply
- Unaffected by moisture

INDUSTRY STANDARDS AND APPROVALS

LEED v4 Points Contribution

LEED Points

Health Product Declaration (HPD)*Up to 2 points

** Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.*

Additional Green Certifications

- CRI Green Label Plus #GLP84381. Refer to the CRI's Website at www.carpet-rug.org for additional information.
- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

WHERE TO USE

- For the installation of solid vinyl sheet, tile and plank; virgin rubber sheet and tile flooring; and VCT
- Interior commercial (office buildings and cafeterias)
- Interior heavy commercial (shopping malls, grocery stores and department stores)
- Interior institutional (hospitals, schools, universities, libraries and government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Do not install over standing water.
- Use only when the substrate temperature is between 65°F and 85°F (18°C and 29°C).

SUITABLE SUBSTRATES

- Concrete and properly prepared cement and epoxy terrazzo at least 14 days old
- Highly moisture-resistant, cement-based self-leveling underlayments, patches and skimcoating compounds
- Cement-based radiant-heat systems that have been properly installed
- Properly prepared steel flooring

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



SURFACE PREPARATION

- All substrates must be structurally sound, surface-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 must be porous, with any repairs made using highly moisture-resistant skimcoats, patches or leveling compounds.

See MAPEI's "Surface Preparation Requirements" reference guide in the Related Documents section of the Floor Covering Installation Systems page on MAPEI's Website.

MIXING

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

1. Note that parts A and B are packaged to exact quantity ratios for maximum performance.
2. Protect flooring from adhesive spills.
3. Pour all material from 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.
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.
5. Clean all tools with mineral spirits immediately after mixing. Once cured, *Ultrabond G15* can be removed only by mechanical means.

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

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Pour the entire mixed contents onto the properly prepared substrate.
2. Using the flat side of the trowel, key the mixed adhesive into the concrete substrate to saturate porosity.
3. Follow the key-in step by spreading the adhesive evenly over the subfloor, keeping the trowel at a 45-degree 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 it with floor boards. Repeated rolling may be required in order to maintain proper flooring placement during curing.

CLEANUP

- Immediately remove any adhesive residue with mineral spirits. Once dry, *Ultrabond G15* can be removed only by mechanical means.

PROTECTION

- Do not walk on the flooring until 6 hours after the installation.
- If walking on the floor is necessary before 6 hours, 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 24 hours before allowing heavy traffic.

Product Performance Properties

Laboratory Tests	Results
Solids content	95% to 100%
Flash point for Part A and Part B	> 200°F (93°C)
Perm rate (ASTM E96)	< 0.11 perms
VOCs (Rule #1168 of California's SCAQMD)	8 g per L
VOCs (Section 01350 of California's CDPH)	Passed

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.

Shelf Life and Product Characteristics (before mixing)

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Storage conditions	Store at 65°F to 85°F (18°C to 29°C).

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

Polymer type	Epoxy
Pot life	40 minutes
Color	Off-white
Flash time [†]	0 to 10 minutes
Working time ^{††}	30 minutes

[†] Flash time is the recommended amount of time for a freshly applied adhesive to remain exposed to the air 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: Flash time and working time vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Packaging

Size
Kit: 1 U.S. gal. (3,79 L)
Part A: 0.73 U.S. gal. (2,76 L)
Part B: 0.27 U.S. gal. (1,02 L)

Approximate Coverage*

Typical Trowel	Coverage
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)

* 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.

Ultrabond® G15



RELATED DOCUMENTS

"Surface Preparation Requirements" reference guide for floor-covering installation systems*

* At www.mapei.com

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

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 or 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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