



Ultrabond G19[®]

Universal two-component polyurethane adhesive

DESCRIPTION

Ultrabond G19 is a two-part reactive adhesive specially designed for installation of floor coverings that demand a high-performance adhesive (such as sports flooring). *Ultrabond G19* is excellent for high-performance indoor/outdoor installations of all types of floor coverings that demand reliable results in various weather conditions.

USES

Recommended for the installation of:

- Resilient flooring: homogenous PVC, solid vinyl tile and planks, vinyl composition tile (VCT), linoleum, mineral fibrous felt-backed sheet vinyl and rubber
- Carpets with jute, polypropylene (ActionBac[®]), latex, sponge-rubber, Unibond[®], needle-punched, Enhancer, urethane-foam, unitary and vinyl backings
- Artificial-grass carpet
- Wood parquet floors
- Cork

TECHNICAL NOTES

- Do not use adhesive when the substrate temperature is below 50°F (10°C) or above 90°F (32°C) or where excessive acid, alkali or moisture conditions exist.
- Do not lay floor covering with *Ultrabond G19* on asphalt screeds aged less than 20 days.
- Do not apply directly over gypsum-based surfaces.

RECOMMENDED SUBSTRATES

- Fully cured concrete
- Bare steel, aluminum
- Vinyl composition tile
- Cement terrazzo
- Asphaltic surfaces
- Nonporous surfaces (consult MAPEI's Technical Services Department for additional information)
- Any wood underlayment that is recommended or guaranteed by either the wood underlayment manufacturer or the floor covering manufacturer, such as exterior-grade plywood, Group 1, CC type

Note: It is recommended that all concrete slabs be tested for moisture. If moisture vapor emission exceeds 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m²) per 24 hours, using the anhydrous calcium chloride test, this adhesive must not be used.



INSTRUCTIONS

1. Surface Preparation

See "Surface Preparation" sheet.

2. Mixing

- 2.1 Parts A & B are packaged to exact quantity ratios for proper curing.
- 2.2 Pour all material out of the Part B (catalyst) container into the Part A (paste). To improve flowability and texture, allow enough time for the material to flow completely out of the container. Always mix complete units. Do not add other materials to this mixture.
- 2.3 Use a slow-speed mixer, at less than 375 rpm, and mix thoroughly to achieve a smooth, homogenous mix.

Note: Avoid air entrapment and prolonged mixing; both will shorten the pot life of this product.
- 2.4 After completion of mixing, immediately apply this product to the floor. Do not allow product to sit in container.
- 2.5 Wash tools and hands with mineral spirits immediately after mixing. Once cured, *Ultrabond G19* can only be removed by mechanical means.

3. Application

- 3.1 Use the recommended notched trowels (see technical data table) with sufficient depth to ensure proper adhesive transfer covering at least 90% of the backing.
- 3.2 Spread adhesive evenly. Do not spread more adhesive than can be covered within 30 minutes.
- 3.3 Wait about 15 minutes, then install flooring into the adhesive while still fresh.

Note: That floor temperature directly affects setting time; the warmer it gets, the faster it sets. Proper adhesive transfer to the backing should be confirmed periodically by lifting the material.
- 3.4 Roll flooring surface across width and length with manufacturer's recommended roller to break down adhesive ridges and ensure complete removal of entrapped air. Wait 1 to 2 hours, then repeat rolling procedure to ensure that backing is in contact with adhesive and that all the trapped air is removed.
- 3.5 Complete installation per flooring manufacturer's instructions.

3.6 The initial grab of *Ultrabond G19* is low, so it is sometimes required to apply weights, particularly at the seams, to maintain contact until the adhesive sets (24 hours).

3.7 Promptly clean adhesive smudges from flooring material surface and tools with mineral spirits while adhesive is still wet. Once cured, adhesive is extremely difficult to remove.

4. Expansion and Control Joints

- 4.1 Provide for expansion and control joints where specified.
- 4.2 Do not cover any expansion joints with adhesive.
- 4.3 Cut floor covering on both sides along the edges of expansion joints.
- 4.4 Insert the specified compressible bead and sealant for expansion and control joints, according to plans and specifications.

5. Protection

- 5.1 Do not walk on the flooring until 24 hours after the installation. For heavy traffic, do not use before 72 hours after the installation.
- 5.2 Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

TECHNICAL DATA


Pot life at 73°F (23°C) and 50% relative humidity	1 hour
Setting time	Ready for traffic in 24 hours and for heavier traffic in 3 days. Note that floor temperature directly affects setting time: the warmer it gets, the faster it sets.
Bond strength	
Plywood	Vinyl tears, rubber tears
Concrete	Vinyl tears, rubber tears
Freeze/thaw stability at 0°F (-18°C)	Stable
Flash point	Part A: 56°F (13°C) Part B: 46°F (8°C)
Maximum tolerance of moisture vapor emission from the concrete slab (using the anhydrous calcium chloride test)	3 lbs. per 1,000 sq. ft. (1,36 kg/92,9 m ²) per 24 hours
Cleanability	Before setting, with mineral spirits; after setting, difficult to clean.
Color	White (can be supplied in several colors on special request)
Consistency	Buttery
Shelf life	12 months when stored in original containers at room temperature in a dry, heated area
Health and safety	Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

PACKAGING

Pails: 1 U.S. gal. (3,79 L); 2 U.S. gals. (7,57 L)

RECOMMENDED TROWELS AND APPROXIMATE COVERAGE*

Homogenous vinyl sheet goods and thin pure vinyl tile

1/32" x 1/16" x 1/32"	185 to 245 sq. ft./U.S. gal.	
(1 x 1,5 x 1 mm)	(4,53 to 6,0 m ² /L)	

Rubber

1/16" x 1/16" x 1/16"	125 to 185 sq. ft./U.S. gal.	
(1,5 x 1,5 x 1,5 mm)	(3,06 to 4,53 m ² /L)	

Carpet

3/32" x 3/32" x 3/32"	108 to 120 sq. ft./U.S. gal.	
(2,5 x 2,5 x 2,5 mm)	(2,65 to 2,94 m ² /L)	

*Trowel dimensions are depth/width/space. Quantities shown are approximate and given for estimating purposes only. Actual job-site coverages may vary according to substrate conditions, type of trowel used and setting practices.

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NOTICE

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.

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PR231 G19D_C05Evp
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Printed in the USA