



HELMIBOND 6517

CONDUCTIVE AND STATIC DISSIPATIVE RESILIENT FLOORING ADHESIVE

Product Description

Helmibond 6517 is a solvent-free, acrylic, pressure sensitive conductive and static dissipative adhesive formulated to permanently install conductive and static dissipative resilient tile and sheet flooring, rubber tile flooring and rubber sheet flooring. To insure product stability and reduce joint openings, Helmibond 6517 has been formulated to produce a firm bond line less susceptible to indentation and telegraphing. May be used over properly prepared porous and non-porous surfaces such as concrete, underlayment grade plywood, cementitious based patching compounds and levelers

Benefits

- ✓ Non-Flammable
- ✓ Solvent-free
- ✓ Excellent moisture and alkali resistance
- ✓ Excellent plasticizer resistance
- ✓ In bucket anti-microbial protection
- ✓ When dry, does not promote growth of mold or mildew
- ✓ Low odor
- ✓ Easy to trowel
- ✓ Sets to a tough, permanent bond
- ✓ Easy clean up
- ✓ FloorScore® Certified by SCS Global Services

Testing Methods

- Freeze-thaw stability (ASTM D7149)
- Shelf Life (ASTM D1337)
- Adhesive Shear Strength (ASTM D6004)
- 90° Peel Resistance (ASTM D6862)
- Plasticizer Resistance (ASTM D7888)
- Caster Chair (ISO 4918)
- Heat Aged Expansion/Contraction

Physical Properties

- Weight/Gal:** 8.5 lbs
Color: Off-White
VOC: <1 gram/liter per SCAQMD Rule1168
Freeze-thaw: 4 cycles @ 0°F. If adhesive has frozen, thaw under normal room temperature
Shelf Life 18 months in an unopened properly stored container

Coverage

TROWEL	SPACING	COVERAGE
	1/16" x 1/16" x 1/16" Square Notch	Approx. 150-170 ft ² per gallon

Packaging

- Helmibond 6517 is available in 1-gallon and 4-gallon pails

Acclimation

The area to receive wall panels shall be fully enclosed, weather tight, with an installed operating HVAC system. The installation area, wall materials and adhesive must be acclimated at a temperature between 65 – 85 °F for 48-hours prior to, during and after installation. The relative humidity of the installation area shall be maintained between 35 - 55%.

Surface Preparation

Helmibond 6517 can be used on porous and non-porous surfaces free of moisture. Surface to be covered must be dry, clean and smooth. Any foreign materials present such as paint, grease, oil, pen markings, adhesive residues, etc. that may prevent a proper bond or migrate to the surface causing a stain must be removed. Adhesive can be used on all grades of concrete on, above or below grade in the absence of moisture. Installation of a 10 mil (0.010") or greater effective moisture retarder is recommended directly under all on and below grade concrete floors with its integrity insured. Concrete shall be prepared according to the recommendations outlined in ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring). Concrete floors shall be free from crazing, dusting, spalling and any curing or sealing compounds. Concrete floors shall be tested for moisture according to the latest revision of ASTM F2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes) and ASTM F1869 (Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride). Wood floors must be double construction with a 1" minimum thickness, structurally sound, securely fastened and free from deflection/spring. Top layer of wood shall be underlayment grade plywood. Cracks and uneven surfaces must be filled with an approved cement-based patching compound.

Application

Apply adhesive evenly with a 1/8" x 1/8" x 1/8" square notch trowel. Hold trowel at a 60° angle. Replace trowels with worn notches. Do not re-notch worn notches.

Note: When troweling adhesive, avoid excess build-up of fibers on trowel blade, as this can affect the static dissipative or conductive properties of the flooring installation. If excess fibers build up on the trowel, discard the adhesive on the trowel. Do not return the adhesive to the bucket.

Porous Substrates: For permanent applications, flooring material shall be positioned while adhesive is wet. The adhesive shall be allowed to remain open or flash-off for approximately 5-10 minutes before positioning flooring. The working time of the adhesive will be dependent upon substrate porosity, room temperature and humidity.

For releasable applications, the adhesive must be allowed to dry to the touch. Dry time will be dependent upon substrate porosity, room temperature and humidity. From the time the adhesive dries to the touch, to the time it must be covered with flooring is approximately one-hour. If the adhesive remains uncovered longer than the recommended one-hour a loss in adhesion strength may result. The installer should not spread more adhesive than can be covered with flooring within the one-hour time frame.

Non-Porous Substrates: The adhesive must be allowed to dry to the touch. Dry time will be dependent upon substrate porosity, room temperature and humidity. From the time the adhesive dries to the touch, to the time it must be covered with flooring is approximately one-hour. If the adhesive remains uncovered longer than the recommended one-hour a loss in adhesion strength may result. The installer should not spread more adhesive than can be covered with flooring within the one-hour time frame.

Clean-up

Remove wet adhesive from flooring and tools with soapy water and a clean cloth. Use mineral spirits to remove dried adhesive. Do not apply solvents directly to flooring. **Use caution when handling flammable solvents.**

Post Installation

Prevent all traffic for a minimum of 24 hours. Restrict heavy traffic and rolling loads for a minimum of 72 hours after installation. Do not wash or begin maintenance procedures on the floor for a minimum of 5 days after

General Warranty & Precautions

Helmitin warrants its private label adhesive formulations to be free of all manufacturing defects. The warranty period shall be in place for one (1) year from the date of installation and will also be guided by the date of manufacture to insure the integrity of the formulation and that proper storage and shipment of same has taken place. Please contact Helmitin for detailed warranty information and information for Helmitin's "Match It ASTM F2170 Moisture Warranty." Do not wash or begin maintenance procedures on the floor for a minimum of 5 days after installation to allow the adhesive to properly cure. Carefully read and follow all precautions and warnings. Keep out of reach of children. For complete safety information, refer to Safety Data Sheet (SDS) available from Helmitin Inc.

Statements and recommendations made herein are based on tests believed to be reliable. However, no guarantee of their accuracy or completeness is made. Unless otherwise provided in written contract, products are sold without warranties or conditions expressed or implied. Purchasers must make their own tests to determine the suitability of our products for their particular purpose.

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QUALITY ADHESIVE SOLUTIONS

*SEE SDS FOR REGULATORY INFORMATION