



# Ultrabond<sup>®</sup> Spray 360

## Spray Adhesive for Vinyl Plank and Tile



### DESCRIPTION

*Ultrabond Spray 360* is an aerosolized, water-based, high-performance acrylic adhesive designed for the installation of solid vinyl tile, luxury vinyl tile, vinyl composition tile (VCT) and vinyl plank. Its unique application method provides bond performance using considerably less material in much less time.

### FEATURES AND BENEFITS

- Excellent bond characteristics
- High moisture resistance for bond durability
- Extended coverage when compared with trowel-applied adhesives

### INDUSTRY STANDARDS AND APPROVALS

LEED v3 Points Contribution

LEED Points

IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants .....1 point

### WHERE TO USE

- For the installation of solid vinyl tile, luxury vinyl tile, VCT and vinyl plank
- Interior residential (rental apartments, condominiums and houses)
- Interior commercial (office buildings and cafeterias)

### LIMITATIONS

- Do not install over substrates containing asbestos.
- For interior installations only

- Do not use to install nonporous floor coverings over nonporous surfaces.
- Do not apply over any adhesive residues, including cutback adhesive.
- Do not install when the moisture vapor emission rate (MVER) exceeds 10 lbs. per 1,000 sq. ft. (4,54 kg per 92,9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity (RH) of the concrete slab exceeds 90% (ASTM F2170).
- Do not install if the pH of the concrete slab exceeds 11.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and the temperature of the prepared concrete slab is at least 5 degrees F (2,8 degrees C) above the dew point to avoid condensation.

### SUITABLE SUBSTRATES

- APA Group 1 and CANPLY 0121 exterior-grade plywood
- Other approved wood underlayments (per the flooring manufacturer's recommendations)
- Concrete placed according to guidelines outlined in ASTM F710 and ACI 302.2
- Properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Properly prepared and fully bonded ceramic tile; vinyl sheet, tile and plank (one layer only); and VCT (one layer only)
- Properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419



- Properly installed radiant-heat systems

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.

See MAPEI's "Surface Preparation Requirements" document in the Reference & Installation Guides section of the Floor Covering Installations Systems page on MAPEI's Website.

## **MIXING**

Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for details.

- Shake the *Ultrabond Spray 360* can vigorously for 1 minute.

## **PRODUCT APPLICATION**

Read all installation instructions thoroughly before installation.

1. Protect all surfaces from overspray by using masking paper and tape.
2. Stand straight up to apply adhesive.
3. Hold the *Ultrabond Spray 360* can upside down and about 20" to 30" (51 to 76 cm) from the substrate.
4. Aim at the subfloor and press the nozzle to spray the adhesive. To ensure the best spray pattern, make sure that tip remains clean and free of adhesive residues.
5. Apply adhesive in an even and light spatter pattern, walking easily and spraying lengthwise while taking care not to puddle the adhesive. (Refer to Figure 1 for an illustration of proper adhesive coverage.) Avoid overlapping of adhesive or creating adhesive buildup, which can telegraph through to the surface of the final wear layer.
6. Allow adhesive to tack up for 15 to 30 minutes or to the point where it no longer transfers to the finger when using a light touch and then install floor covering.
7. Apply only as much adhesive as can be installed in 1 hour.
8. Install flooring in strict accordance with the flooring manufacturer's written instructions.
9. Roll the flooring with a roller weighing 75 lbs. (34,0 kg) across the width and length of the surface immediately after flooring installation.



Figure 1: Proper adhesive coverage for vinyl tile and plank

## **CLEANUP**

- Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
- Use mineral spirits once the adhesive has dried. Use caution with mineral spirits, which may be harmful to some materials.

## **PROTECTION**

- Protect the installation from light traffic for at least 1 hour, and from heavy traffic for at least 24 hours.
- 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.

**CAUTION: CONTENTS UNDER PRESSURE.** Do not puncture or incinerate the adhesive can. Do not expose it to heat or store it at temperatures above 120°F (49°C).

## Product Performance Properties

Laboratory Tests	Results
Solids content	38% to 42%
VOCs (theoretical calculation)	< 25%
pH	7 to 9
Flash point	> -156°F (-104°C), propellant only

## Shelf Life and Product Characteristics

Shelf life	1 year when stored at 73°F (23°C)
Physical state	Acrylic spray
Storage conditions	40°F to 100°F (4°C to 38°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.

## Packaging

Size
Can: 20 oz. (567 g)

## Approximate Coverage\* per 20 oz. (567 g)

Flooring Type	Coverage
Vinyl tile, luxury vinyl tile, VCT and vinyl plank	150 to 185 sq. ft. (13,9 to 17,2 m <sup>2</sup> )

\* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application practices.

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## RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409*
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\* At [www.mapei.com](http://www.mapei.com)

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

## 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.**

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