

AMTICO High Moisture PS Adhesive offers the following benefits

- Very low volatile organic compounds (VOC)
- Meets California SCAQMD Rule 1168 & Section 01350 Requirements
- Solvent-free - non-flammable - non-staining
- Extended working time (up to 3 hours)
- High tack and bond strength
- Excellent plasticizer resistance
- Protected against bio-degradation and mold growth
- Freeze-thaw stable to 10°F (5 cycles)

This adhesive should be used for bonding Amtico and Spacia tile floor coverings to APA registered underlayment grade plywood, terrazzo, existing well adhered tile, radiant heated subfloors where surface temperatures do not exceed 85°F (29.40°C); and above, on, or below grade concrete in the absence of hydrostatic pressure, excessive moisture or alkalinity.

Preparation

Sub-floors must be sound, smooth, dry and free from any contamination which will affect adhesion. Concrete subfloors must be fully cured, clean, free from curing agents, excessive relative humidity (maximum 90% per ASTM F-2170) and or excessive moisture vapor emissions (maximum 8 lbs./1000 SF/24 hrs. per ASTM F-1869). Concrete must have a 5.0 to 9.0 pH (ASTM F-710). If necessary, a suitable moisture suppressant system should be applied to the sub-floor. On grade and below-grade concrete subfloors must have an approved vapor retardant membrane (ASTM E-1745) which is properly installed (ASTM E-1673). Wooden sub-floors should be overlaid with a suitable APA "underlayment grade" sanded face, exterior AC or BC plywood with a minimum ¼" (6 mm) thickness. Tiles, adhesive and sub-floor should be allowed to stabilize to a temperature between 64°F (18°C) and 81°F (27°C), for a period of 48 hours before, during and 24 hours after installation. Tiles must be stored flat.

Amtico PS Adhesive is not designed to be used over floors with Moisture Vapor Emissions (MVE) from water of intrusion or hydrostatic pressure. It is designed for slabs with high vapor emission from the water of hydration, or initial mixing. Amtico PS Adhesive should not be used on concrete slabs that do not have a vapor retardant membrane properly placed above the sand layer and next to the concrete.

Installation

Apply the adhesive to the substrate using the recommended trowel. Holding the trowel at an angle of 60°, spread the adhesive evenly over an area of sub-floor that can be covered within the 3 hour working time. Wait until the adhesive has tacked up, which is usually about 15 minutes depending on site conditions, before placing the tiles in position. Press tiles firmly into position to obtain contact, paying particular attention to the tile edges. Pails of adhesive must be resealed with lid after use.

Finishing

After the tiles have been placed in the adhesive, roll the floor within the 3 hour working time with a minimum 100lbs (45 kg) roller to ensure complete contact with the adhesive. Remove any adhesive from the face of the tile with a cloth moistened with denatured alcohol. The finished floor should be protected from point loads and heavy traffic for 24 hours after installation. Tiles may be damp-mopped 24 hours after installation.

Trowel Recommendation and Approximate Coverage

Porous Substrates

Actual size notch:
1/16" x 1/32" x 1/32" U-Notch
(1.6mm x 0.8mm x 0.8mm)
200-250 sq.ft./gal.

Non-porous Substrates

Actual size notch:
1/16" x 1/32" x 5/64" U-Notch
(1.6mm x 0.8mm x 2mm)
300-350 sq.ft./gal.

Note: Trowel dimensions are width x depth x spacing. Coverage is approximate and may vary depending on type, condition, and porosity of substrate and the angle at which the trowel is held.

Sizes

1 gallon, 4 gallons

Shelf life

2 years when stored in original unopened containers at temperatures between +50°F (12°C) and + 86°F (30°C).
Protect from freezing.

Health and Safety advice

The Material Safety Data Sheet is available for professional users on request.

Warranty

Amtico High Moisture PS Adhesive is manufactured according to exacting standards specifically for the installation of Amtico Resilient Tile. Amtico High Moisture PS Adhesive is warranted to be free from manufacturing defects. Uninstalled defective materials brought our attention within one year of the manufacturing date will be replaced. Installed defective material brought to our attention within ten years of the manufacturing date will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product, since the manner and conditions of application are beyond our control.