

## Amtico High Moisture Adhesive Specification

### DESCRIPTION

Amtico PS Adhesive is an advanced, cross-linking, moisture resistant transitional pressure sensitive adhesive featuring high aggressive peel and shear strength. This solvent-free, non-flammable, easy troweling product provides excellent bond for installations of luxury vinyl tile and plank. The adhesive should be used for bonding Homogeneous & Heterogeneous Resilient Sheet and Luxury Vinyl Tile & Plank 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.

### ADVANTAGES

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

### SURFACE PREPARATION

The substrate must be structurally sound, smooth, clean, level, dry, and free of dust, dirt, grease, oil, paint, marker, incompatible curing compounds or sealers, fire retardant chemicals, release agents, or any other foreign substance that might interfere with a good bond. The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65° - 85°F (18.3° - 43.1° C) and at a relative humidity of 30%-60% for at least 48 hours before, during, and after installation.

No Moisture Testing Required for using Amtico PS Adhesive provided the slab meets ASTM F710 including the presence of an intact moisture vapor retarder per ASTM E1745 (Class B Minimum), is in direct contact with the concrete slab, no standing water, no free liquids present, no evidence of moisture staining, and no hydrostatic pressure. PH testing is required with a limit of 12.

For all other condition's or when the above requirements are not met, the Amtico PS Adhesive limits are in-situ relative humidity (maximum RH 95% per ASTM F-2170) and/or moisture vapor emissions (maximum 10 lbs./1,000 SF/24 hrs. per ASTM F-1869). Concrete must have a 12 pH (ASTM F-710). On-grade and below-grade concrete slabs must have an approved vapor retarder (ASTM E-1745) which is properly installed (ASTM E-1643).

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 new slabs with high vapor emission from the water of hydration, or initial mixing. It should not be considered for remedial solutions to concrete subfloors with a history of moisture problems. It 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.

## Specification

### INSTALLATION

Amtico PS adhesive may be used either wet or as a pressure sensitive adhesive over porous or non-porous surfaces. To use wet, apply adhesive with the recommended trowel. Holding the trowel at an angle of 60° spread the adhesive evenly over an area of subfloor that can be covered within the 3-hour work time and allow to flash off (tacked up) for 15 minutes depending on site conditions before installing LVF. Adhesive must transfer to floor product to ensure proper bond. Lay tile and press tiles firmly into position to obtain contact, paying attention to the tile edges. To use as a pressure sensitive adhesive, allow to dry to a tacky state and then install flooring according to instructions within 3 hours.

### TROWEL SIZE & COVERAGE

**Over Porous Surfaces:** 1/16" x 1/32" X 1/32" "U" Notch / (1.6mm x 0.8mm x 0.8mm) 200-250 sq. ft./gal.

**Over Non-Porous Surfaces:** Over non-porous – 1/16" x 1/32" x 5/64" "U" Notch / (1.6mm x 0.8mm x 2mm) 300-350 sq. ft./gal.

\*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.

### 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.

### PACKAGING

|               |                      |
|---------------|----------------------|
| Size:         | 1 gallon / 4 gallons |
| Weight:       | 9 lbs / 34 lbs       |
| Pails/Pallet: | 48                   |
| SAP Code:     | 457149 / 457150      |
| Order Code:   | 894891 / 804890      |

### STORAGE

Store in climate controlled interior location between 50 - 90°F. Two-year shelf life on unopened containers.

### PRECAUTIONS

- Use with adequate ventilation.
- Do not use where hydrostatic pressure exists.
- Prevent prolonged breathing of vapor and skin contact.
- Avoid contact with eyes.
- Do not ingest.
- KEEP OUT OF THE REACH OF CHILDREN.

### WARRANTY

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects for a period of two years. Mannington Commercial flooring products are backed by a limited Commercial Warranty for bond and manufacturing defects. The warranty term matches the product warranty which will vary by product type.