

## Specification

## AMTICO High Moisture PS 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 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.

### FEATURES

- Low volatile 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)

### DIRECTIONS

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.

The maximum moisture level of concrete must be no greater than 12 lbs. /1000 sq. ft. /24 hours (2.27 kg /92.9 m<sup>2</sup> /24 hours) as determined by a calcium chloride test according to ASTM F-1869 test method and/or 99% RH as determined by ASTM F-2170 in situ relative humidity test. If both tests are performed the RH test is the qualifying standard. The pH limit is 12.

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.

### 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.

## 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.

## COVERAGE / TROWEL SIZE

Over porous - 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 - 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.

## PACKAGING

Size	1 gallon, 4 gallons
Weight	9 LBS, 34 LBS
Pails/Pallet	48 pails
Order Code	214809, 214810

## STORAGE

Store in climate controlled interior location. One-year shelf life on unopened containers.

## PRECAUTIONS

- Use with adequate ventilation.
- Do not use where excessive moisture, alkali, or 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 one year.###