

## AMTICO RP18 Adhesive Specification

### DESCRIPTION

Amtico RP18 Adhesive is a one component, 100% solids, cross-linking modified silane polymer-based adhesive formulated for Installations of Amtico and Spacia luxury vinyl tile and plank. This solvent free, non-flammable, easy troweling product provides excellent bond and is a perfect replacement for epoxy and urethane adhesives. It can be used over porous and non-porous surfaces. Amtico RP18 is especially suitable for use in areas subject to excessive heat or cold or expectations of surface (topical) moisture, for example adjacent to plate glass windows exposed to sunlight or in shower rooms and should also be used for areas with high point loads.

### FEATURES

- Low volatile organic compounds (VOC)
- Meets California SCAQMD Rule 1168
- Solvent-free – non-flammable – non-staining
- High track and bond strength
- Excellent plasticizer resistance
- Freeze-thaw stable to 10°F

### 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 and at a relative humidity of 30%-60% for 48 hours before, during, and after installation.

The maximum moisture level of concrete must be no greater than 10 lbs. /1000 sq. ft. /24 hours (2.27 kg /92.9 m2 /24 hours) as determined by a calcium chloride test according to ASTM F-1869 test method and/or 95% 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 RP18 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

Apply Amtico RP18 Adhesive with the recommended trowel and lay tile, plank immediately into wet adhesive. Adhesive must wet transfer to flooring product to ensure proper bond. Adhesive working time is approximately 45-50 minutes, but will vary with ambient job site conditions. Do not work on top of freshly installed flooring. This will minimize tile/plank shifting and adhesive displacement, and prevent wet adhesive from oozing up onto the surface of the new flooring.

## FINISHING

After the tiles have been placed in the adhesive, roll the floor with a 75-100lbs roller to ensure complete contact with the adhesive. Remove any adhesive from the face of the tile with a cloth moistened with denatured alcohol or adhesive solvent. The finished floor should be protected from point loads and heavy traffic for 24 hours after installation.

## COVERAGE/TROWEL SIZE

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

**Non-Porous Substrate:** 1/16" x 1/32" x 5/64" "U" Notch / 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	2 gallon
Weight	27 lbs
Pails/Pallet	60
Order Code	391776

## STORAGE

Store in climate controlled interior location between 50 - 90 F. 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.