

Amtico RP-18 Adhesive Specification

DESCRIPTION

Amtico RP-18 Adhesive is a one component, 100% solids, cross-linking modified silane polymer-based adhesive formulated for Installations of Homogeneous & Heterogeneous Resilient Sheet and Luxury Vinyl Tile & 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 RP-18 is especially suitable for use in areas subject to excessive heat or cold, areas where direct sunlight, surface (topical) moisture, high point loads, rollings loads or dragging force would be a concern. Examples include but are not limited to entryways, around drains, spas shower rooms, saunas, ramps, operating rooms, plate glass windows exposed to sunlight, under hospital beds.

ADVANTAGES

- 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

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

For Porous Installations Only: No Moisture Testing is Required for Luxury Vinyl Planks or Tile when installed with RP-18 Adhesive provided the slab meets ASTM F710 **excluding** the presence of an intact moisture vapor retarder, has no standing water, no free liquids present, no evidence of moisture staining, and no hydrostatic pressure.

For Non-Porous Installations: For non-porous installations the maximum moisture level of concrete must be no greater than 10 lbs /1000 sq ft /24 hours (2.27 kg /92.9 sq m /24 hours) as determined by a calcium chloride test according to ASTM F1869 test method and/or 95% RH as determined by ASTM F2170 in situ relative humidity test. If both tests are performed the RH test is the qualifying standard. The pH limit is 12.

INSTALLATION

Apply Amtico RP-18 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.

Specification

TROWEL SIZE & COVERAGE

Over Porous Surfaces: 1/16" x 1/32" x 1/32" (1.6mm x 0.8mm x 0.8mm) "U" notch trowel / Coverage: 250 sq ft/gal

Over Non-Porous Surfaces: 1/16" x 1/32" x 5/64" (1.6mm x 0.8mm x 2mm) "U" notch trowel / Coverage: 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 with a 75-100 lb 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.

PACKAGING

| | |
|---------------|-----------|
| Size: | 2 gallons |
| Weight: | 27 lbs |
| Pails/Pallet: | 60 |
| SAP Code: | 457148 |
| Order Code: | 809241 |

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 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. 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.