

## Specification

## Mannington Performance Urethane for Rubber Specification

### DESCRIPTION

Mannington's Performance Urethane for Rubber is a one-component, moisture-curing, polyurethane adhesive specifically designed for bonding virgin and reground-rubber flooring product in interior applications. Its unique formulation provides an aggressive and durable bond. This solvent free, non-flammable, easy troweling product provides excellent bond and is a perfect replacement for 2-part epoxy and urethane adhesives. It can be used over porous surfaces. Mannington Performance Urethane 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

- o 100%-solids formulation, with no solvent added
- o Up to 99% RH Moisture Resistance\*
- o Early tack for ease of installation
- o Excellent trowel-ridge holdout
- o Low-odor formula with negligible VOC content

### 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 15 lbs. /1000 sq. ft. /24 hours (6.80 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 for virgin and reground-rubber flooring products. The slab must meet ASTM F-710 including the presence of an intact moisture vapor retarder per ASTM E-1745 (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.

For all other conditions the maximum moisture level of concrete must be no greater than 12 lbs. /1000 sq. ft. /24 hours (5.44 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 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.

For Mannington Commercial Attune. The acceptable moisture limit is 90% RH, 8 lbs. MVER, surface alkalinity ASTM F710, pH limit is 9.

Mannington Performance Urethane 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 Mannington Performance Urethane Adhesive with the recommended trowel and lay the rubber flooring immediately into wet adhesive, waiting no longer than 10 minutes for flashing. Adhesive must wet transfer to flooring product to ensure proper bond. Adhesive working time is approximately 20-30 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 a solvent-based cleaner while the adhesive is still fresh/wet. Careful, some flooring finishes can be damaged with solvent-based cleaners.

- Protect the finished installation from light traffic for at least 12 hours and from heavy traffic for at least 24 hours.
- Protect from rain/water exposure or freezing conditions for 24 hours after installation.

### COVERAGE / TROWEL SIZE

**Porous Substrate:** 1/16" x 1/16" X 1/16" "Square" Notch / (1.6mm x 1.6 mm x 1.6 mm) 125 to 185 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            4 Gallon (15.1 L)  
Weight        13.4 lbs per gal/ 53.6 lbs per container  
Order Code   585911  
VOC            <40 g/l

Size            2 Gallon (7.6 L)  
Weight        13.4 lbs per gal/ 26.8 lbs per container  
Order Code   592419  
VOC            <40 g/l

### STORAGE

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

### PRECAUTIONS

- o Use with adequate ventilation.
- o PROTECT FROM FREEZING
- o Do not use where excessive moisture, alkali, or hydrostatic pressure exists.
- o Prevent prolonged breathing of vapor and skin contact.
- o Avoid contact with eyes.
- o Do not ingest.
- o 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.