

## Mannington M-Guard V-88 Adhesive Specification

### DESCRIPTION

Mannington M-Guard V-88 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 plank and tile (Color Anchor LVT, Divergent, Mannington Select, Nature's Paths, Primary Elements, Walkway and Walkway 20) and homogeneous and heterogeneous resilient sheet (Assurance II, BioSpec MD, BioSpec RE, BioSpec SR, City Hub, Color Anchor Sheet, Discovery, Entwined, Paradigm II, Realities II and Vivendi II) over both porous and non-porous surfaces.

### FEATURES

- Easy application
- VOC compliant / no solvents / low odor
- Nonflammable
- Contains fungicide protection
- Readily identifiable Mylar chips
- Complies with SCAQMD Rule 1168
- Meets Green Label Plus Certification

### 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.

**For Luxury Vinyl Plank and Tile:** The maximum moisture level of **newly constructed concrete** must be no greater than 12 lbs as determined by a calcium chloride test according to ASTM F1869 method and/or 99% RH as determined by ASTM F2170 in situ relative humidity test. The pH limit is 12. Maximum moisture levels for **renovations or older slabs** must not exceed 8 lbs MVER, 90% RH and 10pH.

**For Resilient Sheet:** The maximum moisture level of **newly constructed concrete** must be no greater than 10 lbs as determined by a calcium chloride test according to ASTM F1869 method and/or 95% RH as determined by ASTM F2170 in situ relative humidity test. The pH limit is 12. Maximum moisture levels for **renovations or older slabs** must not exceed 8 lbs MVER, 90% RH and 10pH.

Mannington M-Guard V-88 is not designed to be used over floors with Moisture Vapor Emissions (MVE) from water of intrusion or hydrostatic pressure. M-Guard V-88 is designed for new slabs with high vapor emission from the water of hydration, or initial mixing. M-Guard V-88 is not to be considered for remedial solutions to concrete subfloors with a history of moisture problems. M-Guard V-88 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

**SUBFLOOR POROSITY**

Before starting the flooring covering installation, check the porosity of the substrate by performing a water droplet test per ASTM F3191. This will help aid in choosing the correct trowel size and adhesive application. Use a pipette water dropper or straw to apply a small drop of water onto a clean, prepared surface. Allow one minute for the water to penetrate the top layer of the substrate. If the droplet of water does not penetrate the surface within one minute, it would be considered a non-porous substrate. Check for recommended trowel size and application rate.

**INSTALLATION - POROUS SURFACES**

**Luxury Vinyl Plank and Tile:** Mannington M-Guard V-88 may be used either wet or as a pressure sensitive adhesive over porous surfaces. To use wet, apply adhesive with the recommended notch trowel and allow to flash off for 5-10 minutes before installing plank or tile flooring. Lay plank or tile into wet adhesive according to instructions. Adhesive must transfer to floor product to ensure proper bond. To use as a pressure sensitive adhesive, allow to dry to a tacky state and then install flooring according to instructions within 3 hours.

**Resilient Sheet:** Apply Mannington M-Guard V-88 adhesive with the recommended notch trowel and allow to flash off for 5-10 minutes before installing resilient sheet flooring. Lay resilient sheet into wet adhesive according to instructions. Adhesive must transfer to floor product to ensure proper bond. **NOTE: When installing resilient sheet flooring using M-Guard V-88, trowel the adhesive then back roll with a short-nap paint roller to minimize the possibility of trowel ridge telegraphing.**

**INSTALLATION - NON-POROUS SURFACES**

**Luxury Vinyl Plank and Tile:** Apply Mannington M-Guard V-88 adhesive with the recommended notch trowel, allow to dry completely from yellow to tan, and lay in the plank or tile according to instructions within 3 hours. The highly aggressive pressure sensitive grip prevents slippage and minimizes seam gaps. Drying time is 45-90 minutes and will vary depending on temperature and humidity. Installation over areas of incomplete drying can result in job failure.

**Resilient Sheet:** Apply Mannington M-Guard V-88 adhesive with the recommended notch trowel, then back roll with a short-nap paint roller to minimize the possibility of trowel ridge telegraphing. M-Guard V-88 adhesive must be allowed to set up until the adhesive becomes tacky to the touch. The adhesive must be tacky enough to transfer to the back to assure proper bond and not allow movement of the resilient sheet during placement. The proper adhesive time window can be determined by applying pressure with a finger or a small flooring scrap, checking for "transfer," prior to install. Immediately lay the resilient sheet flooring into the adhesive and roll with a 100 lb sectional roller.

**FINISHING**

After the floor covering has been placed in the adhesive, roll the floor covering immediately with a minimum 100 lb (45 kg) roller to ensure complete contact with the adhesive. Remove any adhesive from the face of the floor covering with a cloth moistened with denatured alcohol. The finished floor should be protected from point loads and heavy traffic for 24 hours after installation. The floor covering may be damp-mopped 24 hours after installation.

**TROWEL SIZE & COVERAGE**

**Over porous substrates:** 1/16" x 1/32" x 1/32" U-notch, up to 250 ft<sup>2</sup>/gal

**Over non-porous substrates:** 1/16" x 1/32" x 5/64" U-notch, up to 350 ft<sup>2</sup>/gal

Trowel dimensions are width x depth x spacing.

**PACKAGING**

Size	1 gal, 4 gal, (4) 1 gal
Weight	9 lbs, 34 lbs, 36 lbs
Pails/Pallet	45 pails, 48 pails, 48 pails
Order Code	295457, 186054, 295456

**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.