

## DESCRIPTION

Mannington Commercial 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 tile and plank, **Nature's Paths, Divergent and Walkway**. Homogeneous and heterogeneous vinyl sheet **Assurance II, BioSpec MD, BioSpec FB, BioSpec SR, Entwined Collection, Paradigm Collection, Realities, Relay RE and Vivendi II Collection** over both porous and non-porous surfaces.

## INTENDED USE

Mannington Commercial M-Guard V-88 can be used over the following: APA registered underlayment grade plywood; terrazzo; existing well adhered tile and sheet goods; radiant heated subfloors where surface temperatures do not exceed 90°F (32.2°C); and above, on, or below grade concrete in the absence of hydrostatic pressure, excessive moisture or alkalinity. For high concrete alkali conditions, a pH reducing primer can be used to lower the pH below 10, and the moisture level of concrete must be no greater than 8 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 90% RH as determined by ASTM F-2170 in situ relative humidity test. If both tests are performed the RH test is the qualifying standard. Mannington Commercial V-88 is not designed to be used over floors with Moisture Vapor Emissions (MVE) from water of intrusion or hydrostatic pressure. It is designed for slabs with high vapor emission from the water of hydration, or initial mixing. Mannington Commercial 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.

## INSTALLATION

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°-95°F (18.3°-43.1°C) and at a relative humidity of 30%-60% for 72 hours before, during, and after installation.

**Porous Surfaces – Tile & Plank:** Mannington Commercial 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 trowel and allow to flash off for 5-10 minutes before installing flooring. Lay tile or plank 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.

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

**Non-Porous Surfaces – Tile & Plank:** Apply with the recommended trowel, allow to dry completely from yellow to tan, and lay in the tile or plank 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.

**Non-Porous Surfaces – Sheet Goods:** Apply with the recommended notch trowel. When installing sheet goods over non-porous surfaces, Mannington Commercial M-Guard V-88 must be allowed to set open for up to 30 minutes until dry-to-touch. (Dry-to-touch is tacky, but no transfer to fingers). Time required will vary with ambient conditions. Do not allow the adhesive to fully dry or set. The adhesive must be tacky enough to allow 100% wet transfer to the back of the sheet goods to ensure proper adhesion and repositioning. **NOTE: When installing sheet flooring using V-88, it is recommended to trowel the adhesive then back roll with a short-nap paint roller to minimize the possibility of trowel ridge telegraphing.**

## COVERAGE

Over porous substrates - 1/16 x 1/32 x 1/32 U Notch - 250 sq. ft. / gal

Over non-porous substrate - 1/16 x 1/32 x 5/64 - 350 sq. ft. / gal

\*Trowel dimensions are width x depth x spacing

## Choices that Work.

For more information, please contact Mannington Technical Services at 800 241 2262 Ext. 3 or visit [www.manningtoncommercial.com](http://www.manningtoncommercial.com).

May, 2016

#### PACKAGING

4- Gallon Pail # 186054

#### STORAGE

Store in climate controlled interior locations. Shelf life is one year on unopened containers.

#### OTHER FEATURES

Waterproof when cured, VOC compliant and contains an anti-microbial agent that protects the dry adhesive film from fungal growth. CRI Green Label + Certified.

#### CLEAN UP

Warm water when wet, mineral spirits when dry.

#### 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.

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February, 2016