

Specification

M-Guard V-88 Premium Commercial Grade Transitional Adhesive

DESCRIPTION

M-Guard V-88 is an advanced, cross-linking, moisture resistant commercial grade transitional adhesive featuring high aggressive peel and shear strength. The solvent-free, non-flammable, easy troweling product provides excellent installations for luxury vinyl tile and plank, homogeneous and heterogeneous vinyl sheet goods over both porous and non-porous surfaces. M-Guard V-88 has low odor and is easy to use. It demonstrates excellent water and alkali resistance; M-Guard 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. Plasticizer migration resistance allows installation of a broad variety of vinyl floor products.

FEATURES

- Easy application
- VOC-compliant/solvent free/low odor
- Non-flammable
- Contains fungicide protection
- Readily identifiable mylar chips
- Complies with SCAQMD Rule 1168
- Meets Green Label Plus Certification

Use Over: M-Guard V-88 can be used over the following: APA registered underlayment grade plywood; terrazzo; radiant heated subfloors where surface temperatures do not exceed 85°F (29°C); and above, on, or below grade concrete in the absence of hydrostatic pressure, excessive moisture or alkalinity. For high concrete alkali conditions, use Mannington Premium Universal Primer to lower the pH below 10, and the moisture level of concrete must be no greater than 10 lbs/1000 sq. ft/24 hours as determined by a calcium chloride test according to ASTM F-1869 test method and/or 95% RH for sheet flooring and 99% RH for LVT as determined by ASTM F-2170 in situ relative humidity test. See installation instructions for greater detail.

DIRECTIONS

The substrate must be structurally sound, smooth, clean, flat, 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.

Luxury Vinyl Plank and Tile: No Moisture Testing Required for using M-Guard V-88 with luxury vinyl plank and tile provided the slab meets ASTM F710 including the presence of an intact moisture vapor retarder per ASTM E1745 (Class B Minimum), is in direct contact with the concrete slab, no standing water, no free liquids present, no evidence of moisture staining, hydrostatic pressure and the slab is rendered porous. PH testing is required with a limit of 12. For all other conditions or when the above requirements are not met, the M-Guard V-88 limits are in situ relative humidity (maximum RH 95% per ASTM F-2170) and/or moisture vapor emissions (maximum 10 lbs./1,000 SF/24 hrs. per ASTM F-1869). Concrete must have a pH of 12 or less per (ASTM F-710).

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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.

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. When installing Resilient Sheet with M-Guard V-88 over slabs that do not have a vapor retardant membrane properly placed, the limits are 90% RH, 10 MVER and 8 PH.

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: M-Guard V-88 may be used either wet set or as a semi wet set (tacky- valleys dry/ ridges cloudy) 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 and plank into wet adhesive according to instructions. Adhesive must transfer from subfloor to back of Luxury Vinyl Floor to ensure proper bond.. To use as a semi wet, allow adhesive to dry to a tacky- valleys dry- ridges cloudy, approximately 30-45 minutes. Immediately install the flooring. Approximate working time is 1.5 hours. Adhesive must transfer to the back of the material for proper bonding. Do not spread more adhesive than can be covered within the working time. Check periodically to assure proper adhesive transfer is being achieved. Roll immediately with a 100lb 3 section roller to properly seat the material into the adhesive.

INSTALLATION - NON-POROUS SURFACES

Luxury Vinyl Plank and Tile: Apply with the recommended trowel, allow to dry to a tacky state- (valleys dry /ridges cloudy) from yellow to tan and lay in the tile or plank according to instructions. The highly aggressive tack of the adhesive prevents slippage and minimizes seam gaps. Allow the adhesive to flash-dry for 30-45 minutes before installing the flooring. Set up time will vary depending on temperature and humidity. Do not spread more adhesive than be covered within the working time. Check periodically to assure proper adhesive transfer is being achieved. Roll immediately with a 100lb 3 section roller to properly seat the material into the adhesive. Approximate working time is 2 hours.

Resilient Sheet: When installing Mannington Commercial Vinyl Backed Sheet products using M-Guard V-88 it is required to trowel the adhesive with the proper trowel size followed by back rolling with a short-nap (3/8") paint roller to minimize the possibility of trowel ridge telegraphing. Before starting the back rolling, wet the roller with adhesive to avoid removing the adhesive from the floor and smooth out the trowel ridges. To properly wet the roller, trowel a small area of the M-Guard V88 onto the floor, load the roller by going over the troweled area. M-Guard V-88 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.

Crafted with Purpose®

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Trowel Size/Coverage:

Over porous and non-porous substrates use:



1/16" x 1/32" x 1/32" (1.6 mm x 0.8 mm x 0.8 mm)
U-notched trowel, up to 250 sq. ft. per gallon

Alternate for Porous Substrates/more adhesive transfer) LVF only):



1/16" x 1/16" x 1/16" (1.6 mm x 1.6 mm x 1.6mm)
Square notch Trowel, up to 180 sq ft per gallon.

*Trowel dimensions are width x depth x spacing.

FINISHING

After the floor covering has been placed in the adhesive, roll the floor covering immediately with a minimum of 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. Allow 24 hours for normal foot traffic. The finished floor should be protected from point loads and heavy traffic for 48-72 hours after installation. The floor covering may be damp-mopped 24 hours after installation.

PACKAGING

Sizes: 1 Gallon / 4 Gallon
SAP Code: 295457 / 186054
Order Code: 804589 / 802387

STORAGE

Store in climate controlled interior locations. Shelf life two years 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 defect for a period of two years. Mannington 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.