



VersaShield® Approved Floor Coverings Bulletin HVP-101- July 1, 2013 Revision

VersaShield® has been approved for use with a variety of floor coverings to suppress moisture vapour in concrete slabs as noted in our literature and supported by our Limited Warranty. There are thousands of floor covering options in the market, with new products constantly being introduced. It is not possible for us to individually evaluate all of these products. Call MJS on **07 3347 7300** if you have questions.

| APPROVED Product Category/ Type | |
|----------------------------------------|--------------------------|
| Carpet Tile | |
| Carpet- Wide Width | Recycled back |
| Carpet- Wide Width | Action back- stretch-in |
| Carpet- Wide Width | Action back- double glue |
| Carpet- Wide Width | Action back- direct glue |
| Engineered Wood | Floating |
| Laminate | Floating |
| Resilient/ Vinyl Tile | VCT- Vinyl Comp Tile |

| NOT APPROVED Product Category/ Type | |
|--------------------------------------------|---------------------------|
| Ceramic Tile | |
| Carpet- Wide Width | Unitary back- direct glue |
| Resilient/ Vinyl | Linoleum |
| Resilient/ Vinyl | Rubber Tile |
| Resilient/ Vinyl | Sheet Vinyl |
| Solid Wood | Mechanically fastened |
| Commercial/ Vinyl | Sheet Vinyl |

Numerous moisture remediation products are on the market available to address moisture problems in concrete sub-floors. No one product is the perfect solution for every application. Each product category and individual product is only one part of a total flooring system. Job site conditions, concrete subfloor conditions, subfloor moisture conditions, finished flooring selected, installation processes and products, commercial maintenance products and procedures, environmental conditions and how the finished flooring will be used can all impact the success of the total installation.

VersaShield® is a moisture vapour retarder membrane that resists moisture movement due to its polymer film base. Its patented fiberglass reinforced layer is designed so that VersaShield® lays flat on your floor. VersaShield® membrane and VersaShield® tape have no components known to cause finished flooring to expand, contract, or otherwise change dimension. Because VersaShield® is not adhered to an underlying floor slab, VersaShield® will not provide vertical restraint to finished flooring that has a propensity to move. Therefore, VersaShield® cannot prevent finished flooring from cupping, peaking, curling, or other vertical movement after installation of VersaShield®.

Before using VersaShield®, the user shall determine the suitability of the product for its intended use and the user alone assumes all risks and liability whatsoever in connection therewith. Always check with the finished flooring and adhesive manufacturers for approved product use, application instructions and best practices.

For VersaShield® installation, please refer to MJS Bulletin HVP-102 Installation Instructions.

Initial Maintenance: When the finished flooring has been completely installed, it is imperative to comply with the adhesive and flooring manufacturers' specification for curing time. This is particularly important with VCT installations.



VERSASHIELD® INSTALLATION INSTRUCTIONS BULLETIN HVP 102 – Revised July 1st, 2013 Installations Over Concrete Subfloors

General

VersaShield is a preformed vapour retardant membrane designed to reduce the upward movement of water vapour from concrete floor slabs into finished flooring systems. VersaShield can be installed on elevated slabs (structural concrete, precast, or slabs on metal decks), and on slabs on-ground (on-grade and below-grade). VersaShield is not designed, intended, or warranted to resist liquid water pressure (hydrostatic pressure).

Moisture Testing

- Moisture testing must be conducted prior to initial VersaShield installation, with results documented and retained in order to be in compliance with the VersaShield Limited Warranty.
- Moisture testing must be conducted in accordance with the latest version of AS1884-2012 *Floor Coverings - Resilient Sheet and Tiles - Installation Practices*, Appendix A *Testing for Moisture Content in Subfloors*. A maximum reading of 95% Relative Humidity is allowed.
- Regardless of moisture test results, do not install VersaShield on slabs below-grade where hydrostatic pressure exists (head of water above the elevation of the floor).

Preparation of the Concrete Subfloor

- All joints, cracks, and variations in the concrete surface .31cm or greater must be filled. Use a quality patching and / or leveling compound warranted by the compound manufacturer to withstand high moisture conditions. Protrusions must be ground flat.
- All patching, leveling and / or crack suppression materials must be cured and surface dry before installing VersaShield.
- The concrete slab surface must be dry, smooth, clean, flat and structurally sound, within flooring manufacturer's specifications.
- Residual adhesive must be scraped down to the concrete surface and removed prior to Installation of VersaShield. Do not use solvent-based adhesive remover chemicals. Additionally, certain oils, solvents, and contaminants in the concrete may cause damage to VersaShield and should also be removed. If contaminants are known or suspected, contact MJS Floorcoverings for instructions before installing VersaShield.

Installation of VersaShield®

- Acclimatise the rolls of VersaShield for a minimum of 24 hours at the job location in the same manner as the flooring to be installed.
- VersaShield has a smooth side (light grey) and a rough side (mineral-coated dark grey). **Install with the smooth side down; rough mineral-coat surface facing up.**
- Starting in one corner of the room, unroll VersaShield, flush with existing wall and cut to required length (see photo A). VersaShield cuts easily with scissors or a utility knife.
- Roll out additional VersaShield rolls tightly butting the side edges to one another. (see photo B). **Do not overlap seams.**
- Limit individual lengths of VersaShield to 7.6m.
- Tape all seams with VersaShield Seam Tape and roll with a hand roller to ensure a good bond (see photo C).
- VersaShield is easily cut to fit around irregular objects, like pillars and poles. Use VersaShield Seam Tape to secure the seams in these areas (see photo D).



Application of VersaShield® Seam Tape

- Store VersaShield Seam Tape indoors in a cool, dry area at temperatures between 15°C and 25°C.
- VersaShield Seam Tape is marked with the VersaShield logo on the tape and tape core for identification purposes. Use of any seam tape other than VersaShield Seam Tape is never recommended, and will void the VersaShield Limited Warranty.
- Butt edges of VersaShield Flooring Underlayment as close together as possible, but **DO NOT OVERLAP SEAMS.**
- Apply VersaShield Seam Tape over all the seams to completely seal the gap between adjacent VersaShield sheets. Press the tape firmly and smoothly onto the VersaShield with a hand roller (Ex. 1) to remove any bubbles, wrinkles, gaps or other defects that would permit passage of moisture vapour.



Ex.1

- For installation of resilient floor tile (vinyl composition tile, etc.) MJS Floorcoverings recommends that a premium, polymer-modified cement patching compound be trowel-applied and feathered over the VersaShield Seam Tape to minimise potential "seam telegraphing". A smooth feather edge is required.
- VersaShield is easily cut to fit around irregular objects, like pillars and poles. Use VersaShield Seam Tape to secure the seams in these areas (see photo D).

- **VersaShield Double Sided Tape** (10cm width) may be used in special circumstances such as repairs, ramps, and transition areas between floor finishes. Concrete must be smooth, clean, and free of debris, oily materials, coatings, and other surface treatments. Unroll VersaShield DS Tape with release liner attached, cut at desired length, apply to the concrete surface, firmly press on the release liner using a hand roller, peel off the release liner section by section as the VersaShield Flooring Underlayment is ready to be applied. Firmly press on VersaShield using a hand roller or 45kg roller.

Installation of Finished Flooring

Install only approved floor coverings over VersaShield as per Bulletin HVP-101 (this can be found at www.mjsfloorcoverings.com.au). Install floor covering on top of VersaShield Flooring Underlayment's mineral-coated (rough) surface in accordance with the flooring manufacturer's written instructions.

Installing Vinyl Composition Tile (VCT):

- Acclimatise the floor covering at the installation site as per the flooring manufacturer's requirements.
- It is recommended that a premium, polymer modified cement patch be feathered over the VersaShield Seam Tape to minimise potential "seam telegraphing" when used with VCT finished flooring. A smooth feather edge is required.
- The floor covering manufacturer's recommended installation guidelines must be followed using recommended adhesives and application directions.
- Apply the floor covering manufacturer's recommended adhesive directly onto the VersaShield mineral-coated surface. Take care not to scratch, rip, tear, puncture, or damage the VersaShield while spreading adhesive.
- Adhesives will take longer to flash off and cure compared to dry concrete. If the flooring manufacturer has specific recommendations regarding adhesive and trowel size for different types of concrete, ***VersaShield Flooring Underlayment should be considered as non-porous.***
- Ensure the seams of VersaShield Flooring Underlayment are offset from the seams of the VCT.

There are many variations of each type of floor covering. Always check with the flooring adhesive manufacturer for approved product use, application instructions, and best practices.

Installing Carpet and Carpet Tiles:

- Acclimatise the floor covering at the installation site as per the flooring manufacturer's requirements.
- The floor covering manufacturer's recommended installation guidelines must be followed using recommended adhesives and application directions.

- Apply the floor covering manufacturer's recommended adhesive directly onto the VersaShield mineral-coated surface. Take care not to scratch, rip, tear, puncture, or damage the VersaShield while spreading adhesive.
- Adhesives will take longer to flash off and cure compared to dry concrete. If the flooring manufacturer has specific recommendations regarding adhesive and trowel size for different types of concrete, ***VersaShield Flooring Underlayment should be considered as non-porous.***
- Self-stick carpet tiles should be adhered directly to the VersaShield.
- Ensure the seams of the VersaShield Flooring Underlayment are offset from the seams of the carpet.
- Carpets with pattern repeats are frequently kicked into place. Extra care is necessary in order to avoid wrinkling the VersaShield during the installation.

There are many variations of each type of floor covering. Always check with the flooring adhesive manufacturer for approved product use, application instructions, and best practices.

Installing Floating Laminates and Floating Engineered Wood Flooring:

- Acclimatise the floor covering at the installation site per the flooring manufacturer's requirements.
- Planks should be installed perpendicular (90 degrees) to the VersaShield seam pattern.
- Ensure the seams of VersaShield Flooring Underlayment are offset from the seams of the laminate and engineered wood flooring.
- Floating (non-adhered) floor covering is installed according to the manufacturer's instructions.
- VersaShield is not recommended for use with mechanically fastened floor coverings.

There are many variations of each type of floor covering. Always check with the flooring adhesive manufacturer for approved product use, application instructions, and best practices.

US Patent No. 6,673,432
Material Safety Data Sheet available at www.mjsfloorcoverings.com.au

**See Limited Warranty for complete coverage and restrictions.
FOR MORE TECHNICAL INFORMATION:, CALL MJS Floorcoverings on 07 3347 7300**

