



Ven4ma® PS Peel and Stick Adhesive Installation Instructions

Recommended Uses:

SpecTrim® Ven4ma® PS sheets are suitable for flatwork on contract furniture, fixtures, millwork, and casework in commercial, institutional, retail, hospitality, food service, corporate, assisted living, and residential applications. It is best applied to non-porous or sealed substrates previously covered with plastic laminate, low pressure laminate (melamine), finished veneer, and a variety of finished sheet plastics.

Product Description:

A. Ven4ma® PS products by SpecTrim® are flat sheets, engineered to provide durable wall and surface protection with aesthetic appeal and exceptional life-cycle value through reduced maintenance and repair costs. The adhesive creates a permanent bond to most smooth surfaces that are free of dust and contaminants. Ven4ma® PS Wall Protection is designed for environments in high traffic areas that are subject to abuse from impact, dents, and staining.

B. Ven4ma® PS is manufactured using a fire retardant rigid acrylic/polyvinyl chloride compliment-colored sheet covered in a decorative rigid PVC film. Finished sheets are trimmed and coated on the back with a pressure sensitive acrylic adhesive and peel sheet.

C. Ven4ma® PS sheets are .030"(gloss) to .040" thick sheets for lamination. Available 48" wide and 96", 120", or 144" long with the grain running in the long direction.

D. Touch-up material: Matching wax putty fill sticks to as well as colored caulk is available from Spectrim®.

Basic Limitations:

A. Ven4ma® PS products by SpecTrim® are for interior use only and must be bonded to a suitable substrate such as MDF, plywood, and particle board, or sheet metal that has an 'A' face previously bonded with a finished surface, such as high and low pressure laminate, etc. Ven4ma PS is also suitable to cover many low energy surfaces. It is recommended that the product should be field tested for compatibility prior to performing entire installation.

B. Ven4ma PS sheets are not intended for direct application to plaster, concrete walls, or gypsum wallboard or porous surfaces.

C. Do not subject Ven4ma PS to extended extremes in relative humidity greater than 75% or less than 50%, or temperatures higher than 85° F degrees or lower than 50° F degrees for extended periods or intense or continuous direct sunlight.

Shipping, Storage, and Handling:

A. Deliver, handle, and store in a manner to protect products from damage. Ven4ma PS sheets may be shipped flat or rolled in a box. When shipped in a box, the adhesive side will be rolled to face the outside of the box. When shipped flat, the adhesive will face downward (decorative side up). Product is to be delivered on crated pallets, corner guarded and board protected, shrink-wrapped, and adequately affixed to a pallet to avoid separation during shipping.

B. For long term storage, sheets should be stored flat (horizontally) with the adhesive side facing downward (decorative side facing up).

C. Store products indoors. Product shall be stored in a dry, temperature controlled area. Storage area shall maintain temperatures between 65 - 80 degrees Fahrenheit, and a relative humidity between 25-55%.

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D. It is important to acclimate both the Ven4ma PS sheet and the intended substrate prior to laminating. Products are to be placed in the installation area no less than 48 hours prior to fabrication to adjust to environmental conditions. If product has been roll packaged, unroll the Ven4ma® PS sheet for the 48 hour acclimation period.

Surface Preparation:

A. If you are bonding to an existing substrate that is damaged, the surface may require repair to prevent an uneven appearance of the completed assembly. The Spectrim® technical team recommends these products for repairing damaged high pressure laminate or wood substrate: Bondo® All Purpose Putty, J-B Weld®, WoodWeld®, and Elmer's Carpenter's Wood Filler®. Be sure to read manufacturer's precautions and directions for use. Sand and clean all repaired areas thoroughly prior to applying Ven4ma® PS sheets.

B. Surfaces should be clean and free of residue. If bonding to an existing decorative surface, make sure it is adequately cleaned and dried before bonding. Suitable cleaning products are de-natured alcohol, isopropyl alcohol, acetone, or Windex® with ammonia. Do not use cleaners that will leave an oily residue. Allow proper dry time for all approved cleaners. Be sure to read the manufacturer's precautions and directions for use.

Installation:

A. To pre-cut Ven4ma PS sheets prior to applying we recommend sharp carbide tipped saw blade, router bits, and laminate slitters. The saw blade should be no less than 64 tooth triple chip. Cutting blades and router bits should be kept sharp and clean. Blades must cut into the non-decorative side (adhesive side). When cutting on a table saw, place the Ven4ma®PS sheet decorative face downward (adhesive side up) for a clean cut. Remove all shavings and debris from sheets before stacking to prevent damage.

B. Ven4ma®PS is not re-positionable. Any attempts to re-position the sheet will result in inadequate bonding.

C. Prior to installation and before removing the peel sheet that covers the adhesive, dry fit the Ven4ma®PS sheet to the substrate. Once you have indexed the sheet, remove 1"-2" of the peel sheet on one end and lightly tack it in place. Begin removing the peel sheet, making sure the opposite end is still properly aligned. The temporary use of blue painter's tape can help where practical. Work your way down the entire length of the sheet until the peel sheet is completely removed and the Ven4ma®PS sheet is flat on the surface. Apply uniform bonding pressure (30-40 psi minimum) over the entire bonded surface using a mechanical pinch roller or a non-marking J-Roller. We do not recommend using a wooden block or other hand roller.

D. If the Ven4ma®PS sheet has been positioned incorrectly, it may be removed using a heat gun to soften the adhesive, then pulling the sheet away from the substrate. Once a sheet is removed, it cannot be re-applied. Replace it with a new sheet of Ven4ma®PS.

E. Existing extruded edge-banding can be handled in one of the following methods:

1. Leave existing extruded edge-banding in place, and apply Ven4ma®PS to the top surface only. This will leave the edge of the Ven4ma®PS sheet exposed.
2. Remove the existing edge-banding and replace with new banding following the manufacturer's standard instructions. Apply Ven4ma®PS to the top surface area. This will leave the edge of the Ven4ma®PS sheet exposed.
3. Remove the existing edge-banding. Apply Ven4ma®PS to the top surface area. Apply new edge-banding following the manufacturer's standard instructions. This will hide the edge of the Ven4ma®PS sheet.

F. A minimum radius of 6" can be accommodated. Ven4ma®PS sheet should be taped in place around the radius to relax or pre-bend the material over a 48 hour period. During the peel and stick application it is often helpful to use a heat gun or hair dryer while working the sheet around the radius.

G. Once bonded you can begin any machining required immediately. Prior to machining and trimming, a

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razor may be used to pre-score the adhesive on the back to prevent the adhesive layer from rolling-up during the process. High tool speed and low feed speed are recommended. For machining with CNC equipment, be sure to use down shear tooling only.

Expansion/Contraction Allowance:

Rigid plastic wallcovering materials expand with increases in temperature and humidity. For areas where multiple sheets are used in an adjacent row it is recommended that a gap of 1/32" be provided to allow for movement. For areas that expect temperature differences (non-environmentally controlled areas) approximately 1/64" per foot per 30°F increase for .040" thickness. For example: An expansion space of 1/16" must be provided at each end of an 8-foot long sheet of .040" thick wallcovering if the temperature is expected to vary in a 30° F range from the initial installation temperature. Don't force wallcovering against door jambs, ceilings, or baseboards. Leave a 1/16" expansion gap all around. Do not force butt joints together. Wallcovering tends to push away from points of compression and buckle away from the adhesive during the initial curing period. Remove baseboards during installation if possible. Expansion gaps may be filled with matching colored silicone caulk available from SpecTrim®. *Note: Larger clearance (preferably 1/8") should be left on all edges of the wallcovering when installing near heaters or underlying hot water pipes.*