



SPECTRIM®

building products

Ven4ma® Installation Instructions

SpecTrim® Ven4ma® products are designed for use in commercial, institutional, retail, hospitality, and residential applications.

MATERIALS

Product Description:

A. Ven4ma® products by SpecTrim® are engineered to provide durable wall protection with aesthetic appeal and exceptional life-cycle value through reduced maintenance and repair costs. Ven4ma® Protective Wallcovering is designed for use in healthcare, hospitality, food service, assisted living, retail, and corporate interior environments in high traffic areas that are subject to abuse from impact, dents, and staining.

B. Ven4ma® is manufactured using a fire retardant rigid acrylic/polyvinyl chloride compliment colored sheet covered in a decorative PVC rigid film.

C. Touch-up material: Manufacturer shall provide wax putty fill sticks to match each specified finish for installation touch-up and fill. Provide quantity sufficient to complete all specified work.

Product Types:

Ven4ma® Flat Sheets: .040" thick sheets for lamination. Available 120" or 144" long and 48" or 47 ½" wide (for special size PVC prints on finish #04 Medium Bird's Eye Maple, 08 Honduras Mahogany, and 16 Oak).

Ven4ma® Beaded Sheets: .040" thick sheets are formed into a 1 5/8" o.c. beaded pattern with a vertical grain for lamination. Available in pre-cut heights only. Specify ht. and SpecTrim will provide all sheets 46" wide with an overlapping vertical tab on one edge for continuous wall bead installation.

Ven4ma® Wainscot Trims: Use Ven4ma trims in conjunction with flat and beaded sheets for all 4"ht. or 7 ½"ht. Wall Base, 1 ½" Top Caps or 3" Top Rails, and 1 ½" Mullions or 3" Stiles, to cover all flat and beaded sheet edges. All Trims are provided 144" long. *Trims are notched on the back to receive and cover the edges of the sheet material.*

Trim Placement:

- **Top Rail 3" or Top Cap 1 ½"** : For all top chair rail conditions and used vertically, mitered and returning to the floor at all inside and outside corners and at all finished ends.
- **Base Small 4" or Large 7 ½"**: Along floor but fits between the cap returning to the floor.
- **Stile 3" or Mullion 1 ½"**: Fits vertically between the cap and the base. Space equally to suit design layout, but do not exceed the width of each sheet.

Note: Finish #18 Windsor Mahogany is not offered in the Ven4ma® product line.

DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store in manner to protect products from damage. 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. 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%. Products are to be placed in the installation area no less than 48 hours prior to installation to adjust to environmental conditions.

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EXPANSION ALLOWANCE

Rigid plastic wallcovering materials expand with increases in temperature, approximately 1/64" per foot for 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 critical curing period. Remove baseboards during installation if possible. Expansion gaps may be filled with matching colored silicone caulk available from SpecTrim. Also allow a 1/16" expansion gap at all Ven4ma® trim components within the notched area. *Note: Larger clearance (preferably 1/8") should be left on all edges of the wallcovering when installing near heaters or underlying hot water pipes.*

INSTALLATION OF THE VEN4MA WAINSCOT SYSTEM

SpecTrim® Ven4ma Wainscot is installed much the same as other polymer wall protection products. For best results, Ven4ma® products should be placed in the climate controlled installation area 48 hours prior to installing to adjust to the climate of the room. Cut Ven4ma sheet and wainscot trim components as required using a powered miter box or table saw with a sharp 64-tooth triple-chip carbide blade. Attach all sheet and molding components to wall using adhesive equal to Super Tek XT-2000 available from SpecTrim. For adhering trims use our MS-35 adhesive. An acceptable substitute to the MS-35 adhesive is Loctite Power Grab Heavy Duty adhesive made for PVC bonding to other surfaces. Do not use mechanical fasteners. Blue non-marking tape is an acceptable way to hold parts in place as the adhesive cures. Be sure to clean away excess adhesive immediately as per the manufacturers instructions.

- A. Examine wall conditions before beginning installation of SpecTrim® Ven4ma® products. Verify dimensions and acceptability of wall conditions. Do not proceed with installation of SpecTrim® Ven4ma® products until unacceptable conditions have been corrected.
- B. Inspect Ven4ma® products prior to installing each length or sheet. Do not install defective or damaged components. Install Ven4ma® products in accordance with adhesive manufacturer's installation instructions and these instructions noted herein.
- C. Cut Ven4ma® components to desired lengths using a power radial saw with a sharpened carbide tipped 64-tooth triple-chip blade. Cut miter joints, butt joints, etc. according to the standards of the Architectural Woodwork Institute (AWI) and as field conditions require.
- D. Plan the height of the wainscot system in advance of installing any components. Draw a level guide line to work to for each contiguous section of wall prior to installing the finished components. Also plan and mark the placement of all vertical **Stiles** (3"w) or **Mullions** (1 1/2"w).
- E. Locate and Fit the Vertical Ends (but do not install until after the **Ven4ma® Sheets** are installed)- Plan the locations of the vertical ends of the **Top Rail** (3"w) or **Top Cap** (1 1/2"w) that will return to the floor at all inside corners, outside corners, and finished ends. Each of these vertical end components will need a 45 degree miter (picture frame type) at the top to connect to the same Rail and Cap that will be installed horizontal above the **Ven4ma® Sheet, Stiles, and Mullions**. This horizontal Rail or Cap at the top will be installed last.
- F. Level and install the Base Rail- Set top of **Base Rail** (4"w or 7 1/2"w) level for each section of contiguous walls. All components require a level **Base Rail**. Remember that the Base Rail will butt into all vertical end **Rail Cap** or **Top Cap** at all finished ends, inside corners, and outside corners. Base Rail may not be mitered around corners. It is specifically designed to butt into the Cap or Top Rail that is used at all finished ends and corners.
- G. Cut and install Ven4ma Sheets- Cut all **Ven4ma® Sheet** material to desired width and height. Allow for sheet size to extend behind the trims and into the space provided behind each trim profile. Be sure to allow

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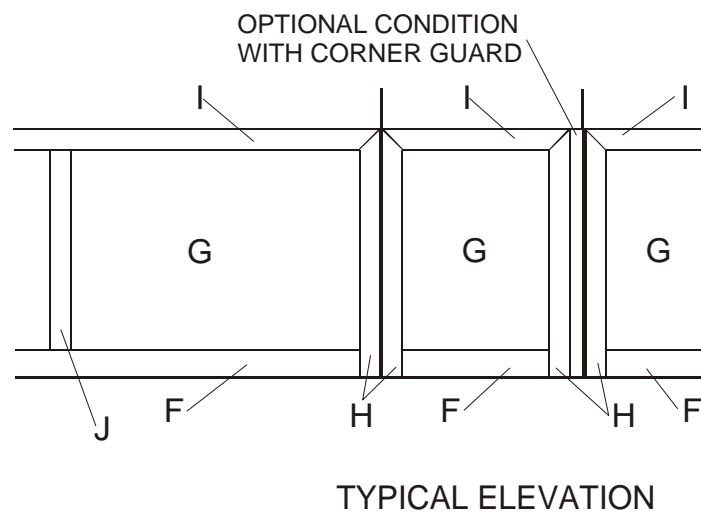
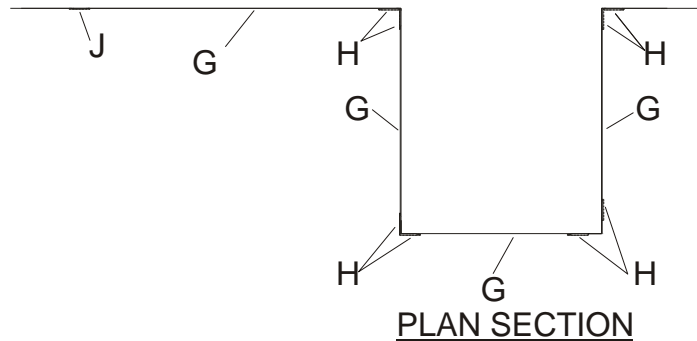
a gap according to the adhesive recommendations for expansion of the **Ven4ma® Sheet**. This gap may vary depending on the temperature variance during installation and the day to day environment thereafter. Install the first sheet into the **Base Rail** and behind the position where the end **Rail** or **Cap** will return to the floor. Install each sheet into the slot created by the base and leaving the proper gap planned for the other vertical trims.

H. Install the vertical end trims- This includes all of the vertical ends of the **Rail Cap** (3" w) or **Top Cap** (1 ½" w) and all **Stiles** (3" w) or **Mullions** (1 ½" w). Be sure these vertical trims end at the precise height to fit the horizontal Top Rail (3" w) or Top Cap (1 ½" w) to the 45 degree cut.

I. Install the horizontal **Rail Cap** (3" w) or **Top Cap** (1 ½" w). Be sure to cover the top of the **Ven4ma® Sheet**, but leave a space for expansion per the Super Tek XT2000 adhesive instructions.

J. Cut vertical **Stiles** (3" w) or **Mullions** (1 ½" w) to fit between the **Base** and the **Top Rail** or **Cap**. Install vertical **Stiles** (3" w) or **Mullions** (1 ½" w) on center between each sheet. Be sure the edges of the sheet are covered, but allow room for sheet movement behind the **Stile** or **Mullion** as specified in the XT2000 instructions.

K. Clean Ven4ma® Wainscot using denatured alcohol. Do not use abrasives on PVC surface.



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INSTALLATION OF VEN4MA SHEETS TO A WOOD SUBSTRATE

SpecTrim® Ven4ma wall protection sheets are installed much the same as other polymer wall protection products. For best results, Ven4ma® products should be placed in the climate controlled installation area 48 hours prior to installing to adjust to the climate of the room.

To adhere Ven4ma sheets to a wood substrate, be sure the substrate is flat and free of debris and defects (defects in the board will show through the face of the sheet). Do not use XT2000 adhesive for laminating to a wood board.

Laminating Ven4ma to a board can only be accomplished by one of these 2 methods:

1. Flat laminating with an automated lamination in-line machine that uses PUR (polyurethane) adhesives. (Conventional PVA and EVA cold and hot press adhesives will not work) The adhesive will need to be compatible with the machine and the atmospheric conditions. Spectrim® offers lamination services to laminate Ven4ma to most specified substrates and thicknesses. Speak to a Spectrim® sales representative to discuss our lamination services.
2. Contact adhere Ven4ma to a board using a solvent based non-flammable contact adhesives that is high in solids. Not all Contact Adhesive will work. We recommend the following products:
 - a. Quick Grip Non-Flammable, Solvent Based Contact Adhesive available from American Metal Molding 1-866-900-8877.
 - b. Sta'-Put S170/171 non-flammable solvent based high solids contact adhesive by ITW.

Cut Ven4ma laminated board as required using a powered table saw with a sharp 64-tooth triple-chip carbide blade or a blade suitable to cut plastic laminates. For machining be sure to use down shear tooling only. Also be sure to clean away excess adhesive immediately as per the manufacturers instructions.