

INSTRUCTIONS FOR MOUNTING 3FORM™ CHROMA™ OR VARIA™ AS A COUNTERTOP/BARTOP

3form Chroma and 3form Varia are beautiful and functional materials that are utilized in a variety of different applications. One of the most popular applications for Varia and Chroma is as a counter or bar top. The following guidelines will help you mount your material successfully. This technical brief highlights three recommended methods; tapes, 2-part adhesives, mechanical fastening. Chroma applied panels must be secured using mechanical fasteners ONLY.

Although many adhesives listed are translucent, the bond will NOT be invisible when combined with translucent panels.

TAPES

The easiest and most aesthetically pleasing way to mount your 3form material is accomplished with 3M™ VHB™ 4910 clear tape. This is a 1" wide, 0.040" thick, two-sided translucent tape. The tape forms a very strong surface bond and can be used between Chroma or Varia and nearly any other type of surface. Because Chroma and Varia are translucent it may be possible to see the mounting surface through the material. If mounting to wood, metal or other plastics. Please keep this in mind if you are planning to use a VHB tape. The following are some simple instructions for using 3M VHB tapes.

- VHB tapes can bond 3form materials to sealed wood, metal, and other plastics.
- Porous materials like cement and wood will require sealing to provide a unified surface.
- Keep tape away from debris and handle tape by the edges.
- Make sure both surfaces are clean and dry (Use a light detergent with water to clean plastic materials).
- Use a 50/50 isopropyl/water solution for metal and plastic surfaces. (Thoroughly dust before using tape).
- Apply 3M Primer 94™ on Varia surface to be bonded (not necessary for Chroma).
- Apply Tape to first surface, apply firm pressure (more than 15psi) with a roller.
- Remove liner from second side and apply to second surface.
- Apply very firm pressure to entire bond line.
- Wait 72 hours until tape has reached full adhesion strength (1 day = 90% strength).

SILICONE

3form recommends the use of Momentive Performance Materials (formerly GE Silicones) SilGlaze II SCS 2801. It is recommended that any wood (plywood or MDF) sub-top be sealed with an acrylic, laquer or polyurethane sealer before bonding. The SilGlaze II should be applied as dots on the subtop with each dot being 3/4" in diameter and each dot separated by 12". Do not spread the adhesive as silicones need air to cure. Apply Chroma panel and apply light pressure. DO NOT clamp. Allow silicone to cure for 24 hours before handling.

The adhesive may be hidden by specifying White Out to any Varia panel. The White Out may slightly alter the tone of the Varia so please to request samples to determine if this is acceptable. To keep the adhesive hidden on Chroma, make sure to specify White Cap. These opaque layers will hide the adhesive and will maintain the brilliant color aesthetics of Varia and Chroma. Opaque layers do not permit backlighting, but edge lighting is possible. 3form recommends not clamping parts, but if pressure is necessary use light pressure (less than 10 lbs). Be sure to consult with the 3form Adhesives Matrix prior to bonding. [http://www.3-form.com/downloads/3form_adhesives_matrix.pdf]

MECHANICAL FASTENING

There are a variety of mechanical fastening solutions including point support and framed options for Chroma and Varia. Please refer to the 3form Hardware Solutions weblink at <http://www.3-form.com/solutions.php> for separate technical documents or contact your Sales Representative.