

## **Volterra HDF Shutter Installation**

- We do not recommend installing Volterra HDF shutters directly over stone veneer or substrates that are not flat - unless applied to Exterior Cement Board which is securely fastened to the substrate. Cut cement board 1"-2" smaller than the width and height of HDF shutter.
- Solid structural backing should be installed at framing to provide sufficient screw points. The following information is for standard shutter installation:
- Lay shutter face down on a clean flat area. Apply a continuous ¼" bead of adhesive around the entire perimeter approximately 1" in from edge and a 1" glob to cover each screw point. Also run ¼" bead vertically every 6" on center (6" is a minimum). Acceptable adhesives are those with a urethane base containing a petroleum solvent, such as ChemRex #948 by ChemRex, Inc., Vulkem #116 by Tremco, PL Premium Construction Adhesive, PL #200 or PL Polyurethane Sealant.
- At this stage, place shutter where it is to be installed and drive pilot screw to hold shutter in place, penetrating backing by at least 1". Also, counter sink the heads approximately 1/16" – 1/8". Then, using coarse thread galvanized screws (of sufficient length to penetrate backing by at least 1"), run screws every 8" vertically (8" is a minimum) and 8" on center around perimeter of the shutter. Run screws through the shutter at an upward angle of about 10-15 degrees.
- It is recommended to spackle or "bondo" over screw holes. Before bondo is set, scrape a small (straw) whiskbroom over bondo to create rough sawn look, (scraping broom acts as sanding). Sand bondo smooth when set to create smooth finish look. Sand and paint to match exterior (if you do not sand bondo paint will not adhere).
- Please call us or have your installer call us if you need further clarification on this installation process.
- Volterra HDF is not warranted if installed externally with a coating that has an LRV of 40 or less. If the color desired is less than a 40 LRV, it is recommend that Kelly Moore Enviro Coat Reflective or StoCoat® X-Black IR Reflective Coating is used.