

Making Dream Surfaces Attainable

INSTALLATION OF LEDGER PANELS IN THE EXTERIOR OF BUILDINGS

MSI Natural Stacked Stone panels are natural stone pieces adhered to each other and formed into a stepped panel for easier site installation. Each panel weighs between 7-10 lbs. and meets the definition of **Adhered Masonry Veneer** as defined by the International Building Code. Therefore, no ICC-ES report is available. Natural Stacked Stone panels should be installed in accordance with generally accepted installation practices of natural stone veneers which can be found in the following documents:

1. International Building Code - Adhered Masonry Veneers are covered in Chapter 14
2. Building Stone Institute's Adhered Stone Veneer Installation guide found at buildingstoneinstitute.org.
3. TCNA Handbook for Ceramic, Glass, and Stone Tile Installation - Natural Stone Tile Installation Methods: Exterior Walls

In addition to the above installation guidelines **MSI** requires the following:

- A water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. **MSI** will assume no responsibility for water infiltration.
- Appropriate Substrates: Install panels over a scratch coat as described in the BSI Adhered Natural Stone Installation Guide. If a cementitious backer unit (CBU) is used as the substrate, refer to CBU manufacturer's installation instructions to determine suitability, fastening and seam preparation requirements.
- Mortars: Prepackaged mortars meeting or exceeding the requirements of ANSI A118.15 such as CUSTOM Building Products' Pro-Lite.
 - All panels must be back-buttered prior to setting to ensure complete coverage
- Sealers: For best performance, natural stones should be sealed using a penetrating sealer such as Miracle's 511 Impregnator.
- Exterior stone installations higher than 15 feet require mechanical fastening in accordance with Marble Institute of America's **Dimension Stone Design Manual** which can be found at <http://www.stonesofnorthamerica.com/technical/dsdm.cfm>. See chapter 15: Vertical Surfaces.