

**THINGS TO KNOW:**

The **proper order of installation** of **A**dhered **C**oncrete **M**asonry **V**eneer is: all other crafts including flatwork, flashing and weep screed, water resistive barrier and any required additional flashing, lath, scratch coat, ACMV units, grout, backer rod and sealants.

**Weep screed** is required at the bottom of your WRB. It is needed to direct any water that enters your Water Resistive Barrier away from the wall at the bottom of the WRB. See the MVMA installation guide *pages 8, 11 and various drawings* for proper spacing and specific applications.

All ACMV must have a **2"** minimum **clearance** above hard surfaces such as roofs, patios or pavement and a **4"** minimum clearance above organic material or "grade". See *page 8 and various drawings* in the MVMA installation guide.

**Two (2) layers of Water Resistive Barrier** is required on all ACMV installations that require WRB. These layers can be 2 layers of grade D paper or 15 pound felt, 1 layer of grade D or 15 pound felt paper and 1 layer of approved house wrap, or a combination of other approved materials. See the MVMA installation guide *pages 5, 6 and "summary table"* for allowable combinations.

Starting at the weep screed, the upper layers of the **WRB must overlap** (like shingles) the lower layers by a minimum of 2" horizontally. The vertical layers of WRB must be lapped a minimum of 6". *If other crafts have not left you paper or flashing to lap under so you can integrate into their water barrier system, have this corrected before proceeding.* Your WRB is required to lap with all other crafts that touch your installation. See *page 10 and various drawings* in the MVMA installation guide.

**Staples/nails/screws attaching lath must penetrate 1"** into framing member behind the sheathing and 3/8" through metal studs or panels; see installation guide for fastener specifications. **Lath must lap a minimum of 1"** vertically and horizontally and installed "cups up". See *page 8 and 10* of the MVMA installation guide.

A **scratch coat** is required over the lath and should be nominally 1/2" thick and can be scored horizontally when it is thumbprint dry. The back of each ACMV unit must be fully **buttered with 1/2" of mortar** and rehydrate the scratch coat. Firmly work the ACMV onto the scratch coat and sliding it slightly back and forth with a slight rotating motion to set the ACMV. See *pages 11-12* in the MVMA installation guide.

Leave a minimum of 3/8" void **between the ACMV units and unlike material**. This void should be filled with backer rod and sealant. See the *various drawings* in the MVMA installation guide.

**Seal** ACMV installed in areas that are prone to ice dams, excessive water, salt, de-icing agents, chemicals, or in areas where efflorescence is present or the ACMV may be damaged.

Sunset Stone, Inc. does not recommend exterior "**dry stacked**" (installed without mortar joints) installation of ACMV *in geographical areas where freezing and thawing is common*. Dry stacking ACMV products in this type of environment can decrease its ability to stay adhered. A very tight mortar joint raked deep is a more stable alternative in these areas.

**COPIES OF DETAILED INSTALLATION GUIDE and ESR-2836:**

This document is designed to provide minimum installation practices required to install Adhered Concrete Masonry Veneer produced by Sunset Stone, Inc. A copy of detailed instructions for installation of ACMV ("**Installation Guide for Adhered Concrete Masonry Veneer**") can be attained from the Masonry Veneer Manufacturers Association via download at [www.masonryveneer.org](http://www.masonryveneer.org) or by calling Sunset Stone, Inc. at 303-791-1233. Familiarity with this installation guide is recommended.

Additional information including code references, ICC-ES AC-51 product compliance, and further installation requirements are available through our ICC-ES evaluation report ESR-2836 and can be attained from ICC-ES via download at [www.icc-es.org](http://www.icc-es.org), by calling Sunset Stone, Inc. at 303-791-1233, or by contacting us through our website at [www.sunsetstone.net](http://www.sunsetstone.net).