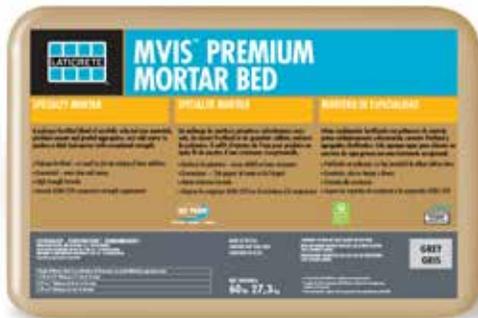




# MASONRY VENEER INSTALLATION SYSTEM (MVIS™)



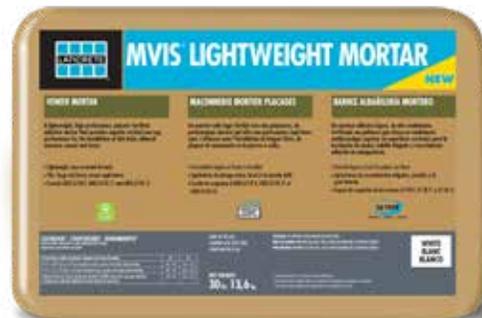
Globally Proven Construction Solutions



## MVIS PREMIUM MORTAR BED

A polymer fortified blend of carefully selected raw materials, portland cement and graded aggregates. MVIS Premium Mortar Bed does not require the use of latex admixtures. Just add water to produce thick bed mortar with exceptional strength. MVIS Premium Mortar Bed is ideal as the brown coat over wire lath in the MVIS System.

See Data Sheet 263.0 for complete product information.



## MVIS LIGHTWEIGHT MORTAR

MVIS™ LIGHTWEIGHT Mortar is a lightweight, high performance multi-use, polymer fortified adhesive mortar. MVIS LIGHTWEIGHT Mortar offers tremendous utility including non-sag wall installations.

See Data Sheet 060.1 for complete product information.



## MVIS HI-BOND VENEER MORTAR

The ultimate, polymer fortified, adhesive mortar for interior and exterior installation of large format adhered masonry veneer, stone, ceramic tile, pavers or thin brick. MVIS Hi-Bond Veneer Mortar mixes easily with water and is formulated to achieve unsurpassed workability and adhesion.

See Data Sheet 246.0 for complete product information.



## MVIS AIR & WATER BARRIER

A single component, load bearing, vapor permeable, fluid applied, waterproofing, crack isolation, air barrier membrane. MVIS Air & Water Barrier produces a seamless, monolithic elastomeric coating and bonds directly to a wide variety of substrates. A vital component of the MVIS comprehensive building protection system.

See Data Sheet 661.0 for complete product information.



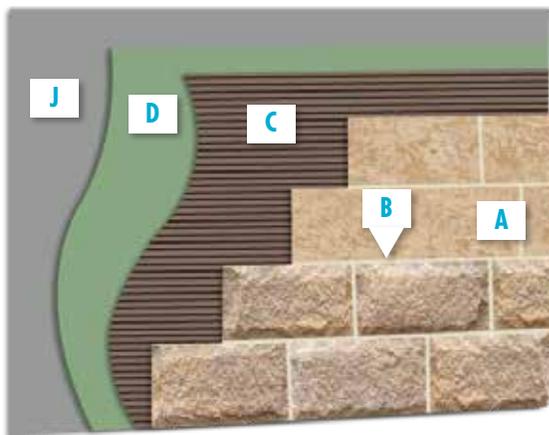
<sup>A</sup> United States Patent No.: 6,784,229 B2 (and other Patents).



# Masonry Veneer Installation System (MVIS™) Details

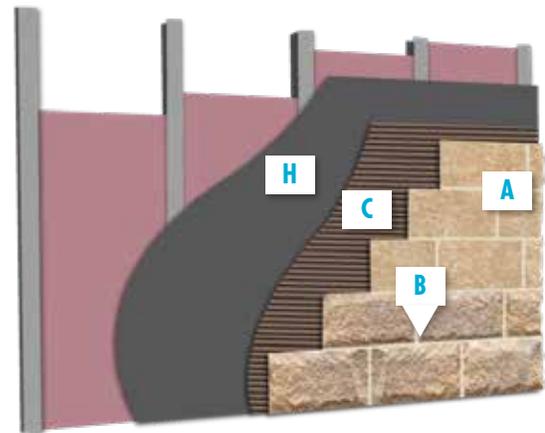
## Exterior Wall

Concrete wall – Method: Direct adhered with fluid applied air and water barrier waterproofing membrane



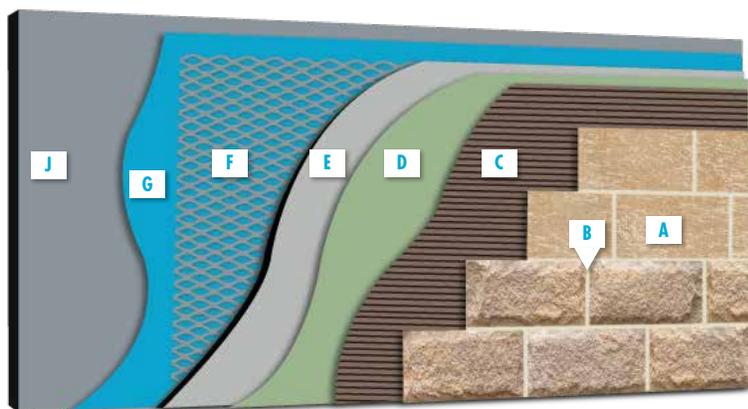
## Interior Wall

Framed wall with cement backer board substrate



## Exterior Wall

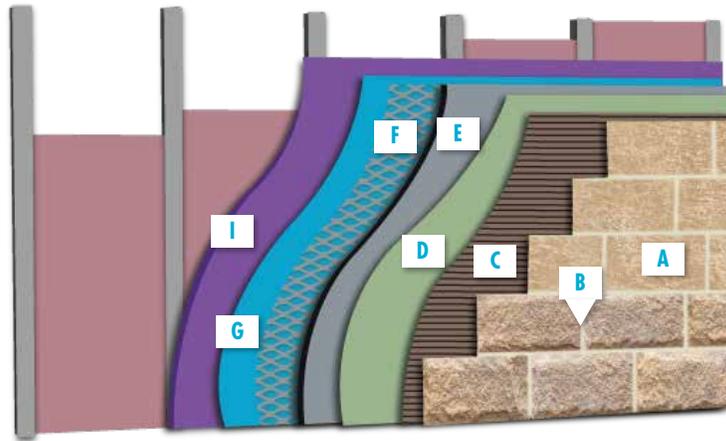
Concrete wall – lathe with scratch and brown coat



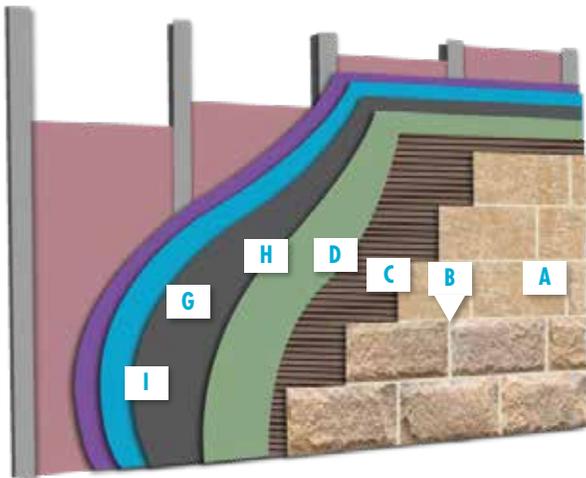
### DETAIL LEGEND

- |  |  |                                   |
|--|--|-----------------------------------|
| <b>A</b> RockCast Thin Series          | <b>E</b> MVIS Premium Mortar Bed   | <b>H</b> 1/2" Cement board        |
| <b>B</b> MVIS™ Premium Pointing Mortar | <b>F</b> Metal Lath, 3.4# galvanized diamond wire lath   | <b>I</b> Exterior rated sheathing |
| <b>C</b> MVIS Hi-Bond Veneer Mortar    | <b>G</b> Vapor retarder/cleavage membrane type and location per design professional (e.g. Two layers of 15 lb builders felt or 4 mil sheeting) | <b>J</b> Concrete or masonry      |
| <b>D</b> MVIS Air & Water Barrier      |  |                                   |

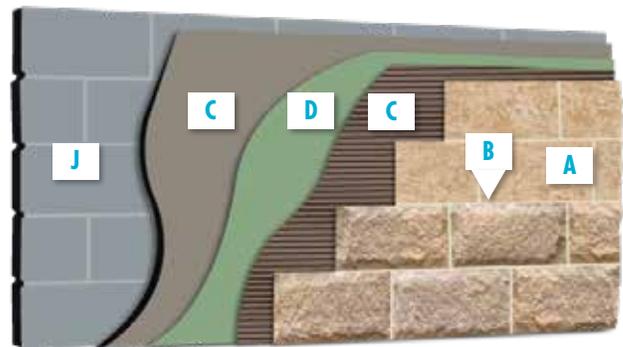
Exterior Wall  
Framed wall with exterior rated sheathing — Lath with scratch and brown coat



Exterior Wall  
Framed wall with exterior rated sheathing —  
Cement backer board substrate



Exterior Wall  
Concrete Masonry Unit (CMU) wall with skim coat —  
Direct adhered with fluid applied air and water barrier



**NOTE:** 1. Substrates scheduled to receive manufactured stone, natural stone and thin brick must be structurally sound, rigid and conform to good design/engineering practices in accord with all applicable building codes. Lateral bracing and edge support for cement backer board panels is required.  
2. MVIS™ Pointing Mortar is designed to meet project applicable project specifications. MVIS Pointing Mortar

does not inhibit efflorescence from occurring in natural or manufactured stone facade installations. Efflorescence is a normal condition that may occur when installing portland cement based products. During installation, strike joints in a consistent time frame relevant to application time. Pointing mortar should be thumbprint dry before striking. Striking joints too early or too late can create color inconsistencies.  
3. MVIS Pointing Mortar color samples are guides only.

LATICRETE does not warrant color matching to any color guide produced. Actual shade and texture will depend on job site conditions, lighting, installation techniques, and types of tile or stone used. Verify actual appearance and compatibility with a test area before installing. Blend colored mortars with different control numbers. Follow ANSI A108.10/MMSA Bulletin #9. No claims for color shade variations will be honored.

4. Please consult LATICRETE Technical Services for more information. 1.800.243.4788, ext. 1235, [www.laticrete.com](http://www.laticrete.com), [technicalservices@laticrete.com](mailto:technicalservices@laticrete.com).  
5. For complete application information and limitations consult related Product Data Sheets related to these details and applicable standards. See warranty Data Sheet DS-025.OSPD\_25 Year System Warranty - MVIS for full information and terms.

6. As a professional courtesy, LATICRETE offers technical services free of charge. The user maintains all responsibility for verifying the applicability and suitability of the technical service or information provided.

LATICRETE has developed an enhanced system of adhered veneer installation products to improve upon the traditional methods of installation that have demonstrated the tendency to fail through delamination and premature corrosion of the structural reinforcing.

The LATICRETE® Masonry Veneer Installations System (MVIS™) is similar to the traditional method however, instead of utilizing standard masonry cement mortars as in the past, polymer fortified adhesive mortar is used. MVIS Veneer Mortar has been specifically designed to provide high bond strength, flexibility and durability. It is used employing the same installation methods the installers have become accustomed to.

A further improvement is the inclusion of MVIS Air & Water Barrier, a liquid applied breathable waterproof membrane that prevents moisture intrusion in barrier wall constructs. This membrane is located outside of the corrodible structural components of the wall offering maximum protection and longevity to the entire assembly.

In addition, MVIS allows for another option that increases quality and durability. Instead of a field formed lath and plaster substrate, which is subject to great variability in workmanship (and therefore quality), cement backer board is used. This substrate is typically used with natural stone installations and is “time and field proven” to provide great consistency and durability in installations. By replacing the lath and plaster coat, this option also decreases the cost of the system at the same time as increasing performance levels.

LATAPOXY® Waterproof Flashing Mortar and LATASIL™ 100% Silicone Sealant allow for a complete installation that is protected by the LATICRETE System Warranty\*.



## COMPLETE SYSTEM WARRANTIES

LATICRETE offers a comprehensive 25 year, 100% labor and materials system warranty\* for masonry veneer installations over concrete and masonry substrates (for both interior and exterior applications) and a 15 year, 100% labor and materials system warranty\*\* for steel or wood framed exterior facades.

LATICRETE warranties cover any suitable stone manufacturer’s product, and are customizable to suit your specific project requirements.



## UL GREENGUARD GOLD CERTIFIED LOW VOC LEED COMPLIANT PRODUCTS



LATICRETE Proudly Supports the



\*See Data Sheet 025.0 for complete warranty details. \*\*See Data Sheet 230.15 for complete warranty details.

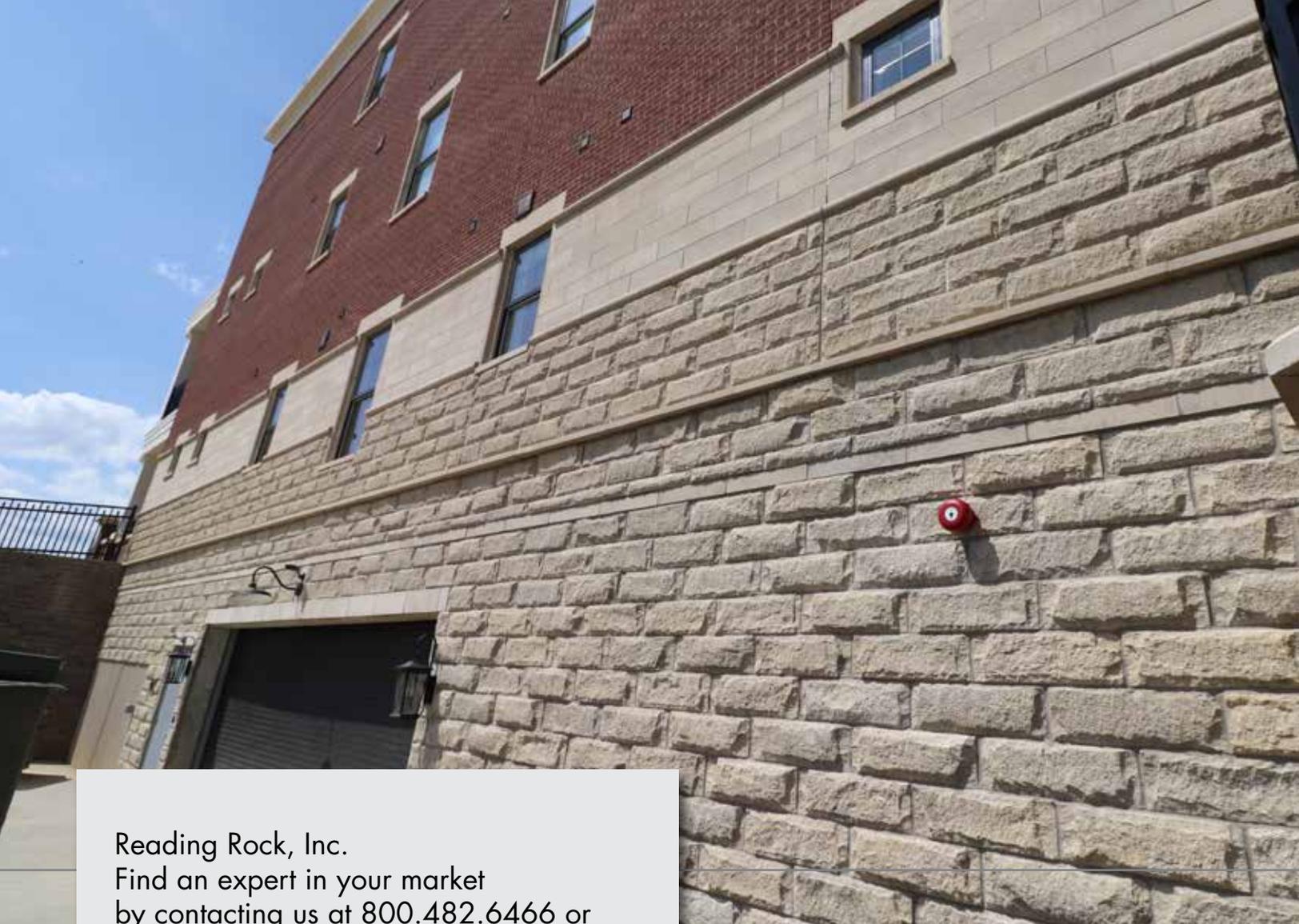


Since 1947, Reading Rock, Inc. has manufactured innovative, high-quality masonry products and is currently one of the country's largest manufactured stone producers. Our architectural stone product, RockCast<sup>®</sup>, is a ground-breaking stone masonry product offering great versatility in application for use with exterior or interior masonry walls, as a veneer, or as architectural features, trim, or facing for buildings.

With a classic look and texture, our products offer the structural integrity of natural limestone, sandstone, and granite and can withstand extreme weather conditions and can be used at grade.

Reading Rock offers an extensive line of thin stone products that maintains the look of full bed masonry. Used in exterior or interior applications, our thin products can be installed using various processes and systems.

With state-of-the-art technology, certified technicians, in-house LEED consultants, we're confident you'll experience the Reading Rock difference by receiving the right products, on time, every time.



Reading Rock, Inc.  
Find an expert in your market  
by contacting us at 800.482.6466 or  
info@readingrock.com.

### **Readingrock.com**

Corporate Office:  
4600 Devitt Drive  
Cincinnati, OH 45246

Manufacturing Facilities:  
Cincinnati, Ohio

### **Partner Product listing:**

Smooth Faced Thin Veneer  
Split Faced Thin Veneer  
Chiseled Faced Thin Veneer  
Thin Ashlar Pattern Veneer  
(Random & Cut)  
Lightweight Series

