



## **Installation Guide – Adhered Manufactured Stone Veneer**

Aligned with MVMA/MSV Guidelines & ASTM C1780

### ***General Requirements***

Scope: Applies to Benchmark manufactured stone veneer products.

Reference Standards: ASTM C1780, ASTM C847, ASTM C1063, ICC-ES AC51.

Acceptable Substrates: concrete, CMU, masonry, or framed walls with WRB + lath.

Clearances: 4" above grade, 2" above paving, ½" above flashing.

Environmental Conditions: Do not install below 40°F. Protect from rain/freezing 48 hrs.

### ***Framed Wall Installations***

WRB: Two layers, shingle-style laps (2" horiz / 6" vert).

Flashing: At windows, doors, penetrations, per code.

Lath: Corrosion-resistant, self-furring, installed horizontally, overlapped.

Fasteners: Corrosion-resistant nails/staples penetrating studs min. 1".

### ***Concrete/Masonry Wall Installations***

CMU Block: Stone veneer may be applied directly to clean, sound, unpainted/unsealed CMU.

Poured-in-Place Concrete: Requires corrosion-resistant metal lath and a scratch coat. This is necessary because form release agents used during casting prevent proper mortar bond.

### ***Scratch Coat***

Mortar: Type S or N, ASTM C270.

Thickness: ½"—¾".

Fully embed lath.

Groove horizontally with scarifier.

Cure at least 24 hrs.

### ***Stone Application***

Dampen wall + stone (SSD).

Apply ½"–¾" mortar to back of stone, full coverage.

Press + rotate into scratch coat for full bond/squeeze-out.

Maintain joint spacing (tight-fit or grouted).

### ***Grouting Joints***

Allow units to set before grouting.

Use grout bag to fill joints.

Tool when thumbprint hard (flush, raked, concave).

Lightly brush to remove crumbs/loose mortar.

### ***Finishing***

Protect installation min. 48 hrs.

Do not clean with acid.

Use only breathable sealers if specified.

Protect top terminations with flashing/capstones.

### ***Compliance + Warranty Note***

Installation must conform to MVMA "Installation Guide for Adhered Manufactured Stone Veneer" (2012 or latest edition) and ASTM C1780.

Failure to follow these requirements may void Benchmark's 50-Year Limited Warranty.

#### **Benchmark Stone Products**

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