



Standard Practice for Installation Methods for Adhered Manufactured Stone Masonry Veneer¹

This standard is issued under the fixed designation C1780; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This practice is intended to provide accepted procedures to designers and installers of adhered manufactured stone masonry veneer in residential and commercial construction. This information is meant to complement the specific installation instructions provided by manufacturers of adhered manufactured stone masonry veneers and recognized building codes, but is not meant to replace them. This practice does not address installation methods or techniques for all materials in the building envelope. This practice covers the installation of adhered manufactured stone masonry veneer units for application as adhered veneer to exterior and interior walls, columns, landscape structures and other structures suitable to receive adhered veneer. The units included in this practice are manufactured to meet the requirements of Specification C1670. This practice is limited to the installation of units. This practice does not cover all flashing or moisture management requirements. Refer to the applicable building code and project documents for additional flashing and moisture management requirements.

NOTE 1—The Masonry Veneer Manufacturers Association (MVMA) publication *Installation Guide for Adhered Concrete Masonry Veneer* provides generally accepted methods and details for installation and flashing.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 All workmanship and materials related to the installation of adhered manufactured stone masonry veneer units shall meet the requirements of the contract documents and building code having jurisdiction over the project.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applica-*

bility of regulatory limitations prior to use. (Warning—Fresh hydraulic cementitious mixtures are caustic and may cause chemical burns to skin and tissue upon prolonged exposure.²)

2. Referenced Documents

2.1 ASTM Standards:³

- C90 Specification for Loadbearing Concrete Masonry Units
- C270 Specification for Mortar for Unit Masonry
- C482 Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
- C847 Specification for Metal Lath
- C926 Specification for Application of Portland Cement-Based Plaster
- C932 Specification for Surface-Applied Bonding Compounds for Exterior Plastering
- C933 Specification for Welded Wire Lath
- C979 Specification for Pigments for Integrally Colored Concrete
- C1032 Specification for Woven Wire Plaster Base
- C1059 Specification for Latex Agents for Bonding Fresh To Hardened Concrete
- C1063 Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster
- C1180 Terminology of Mortar and Grout for Unit Masonry
- C1232 Terminology of Masonry
- C1325 Specification for Non-Asbestos Fiber-Mat Reinforced Cementitious Backer Units
- C1384 Specification for Admixtures for Masonry Mortars
- C1670 Specification for Adhered Manufactured Stone Masonry Veneer Units
- C1714 Specification for Preblended Dry Mortar Mix for Unit Masonry
- E2556/E2556M Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment

¹ This practice is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.05 on Masonry Assemblies.

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² Annual Book of ASTM Standards. Vol 04.01. See the section on Safety Precautions in the Manual of Cement Testing.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.