



Designation: E2511 – 17 (Reapproved 2023)

Standard Guide for Detailing of EIFS-Clad Barrier and Drainage Wall Assemblies¹

This standard is issued under the fixed designation E2511; 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 guide describes the types of project-specific construction conditions that need to be communicated by means of drawings (“details”) for the purpose of constructing Exterior Insulation and Finish System (EIFS)-clad barrier and drainage wall assemblies. EIFS manufacturers provide basic details for the installation of their materials and interface with adjacent materials. These details are generic and, in many cases, do not apply to specific project conditions.

1.2 This guide addresses only the EIFS itself and the interface between the EIFS and the materials immediately adjacent to the EIFS; it does not address all parts of the wall assembly.

1.3 Not all possible construction detail conditions are addressed by this guide. Identify and provide details for all construction conditions that exist on a specific building.

1.4 This guide is intended to supplement but not supersede information from the EIFS manufacturer about how their specific product should be detailed, nor to supersede technical product acceptance reports or the code requirements of regulatory authorities.

1.5 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.6 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.7 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This guide is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.58 on Exterior Insulation and Finish Systems (EIFS).

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2. Referenced Documents

2.1 *ASTM Standards*:²

E631 [Terminology of Building Constructions](#)

E2110 [Terminology for Exterior Insulation and Finish Systems \(EIFS\)](#)

3. Terminology

3.1 For general terminology regarding EIFS and building in general, see Terminology E2110 (for EIFS terms) and Terminology E631 (for buildings in general).

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *detail, n*—a graphic representation of the manner in which building materials are to be constructed as an assembly.

4. Significance and Use

4.1 This guide is for use by individuals and entities involved with the design and specification of EIFS details for a specific building.

4.2 This guide can be applied to both *EIFS-clad barrier wall assembly* and *EIFS-clad wall with drainage*.

4.3 This guide can be applied to new and existing EIFS buildings, prefabricated versus on-site installed EIFS, and residential and commercial EIFS buildings.

4.4 This guide is not meant to replace the types of information normally present in text format in a project’s specifications.

4.5 This guide is not applicable to EIFS materials used in non EIFS applications, such as a topcoat for other base materials like traditional Portland cement plaster (stucco) and concrete.

5. Form of Details

5.1 Draw details using a drafting style, and at a scale, which makes clear the design of the final construction, including the reinforcing mesh, adhesive layers, and location of the finish.

² 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.