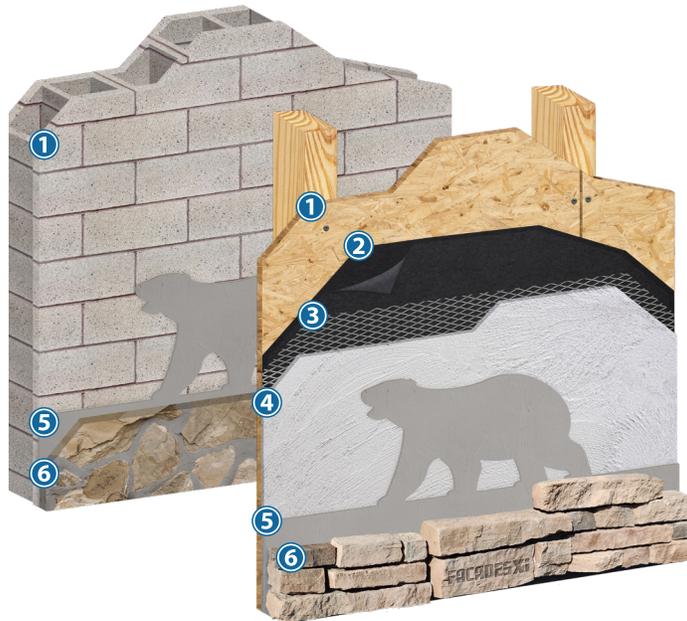


FACADESXI MASONRY VENEER ASSEMBLY



SYSTEM DESCRIPTION

FXI Masonry Veneer System is a tested and engineered wall assembly of thin veneers adhered to enhanced mortar beds with the most advanced, high strength mortar to ensure stone adhesion. FXI Masonry Veneer Systems offer the look of full sized stone, brick, with the lower weight for lower construction costs and schedules.

Optional Advantages Upgrades

- Watershield Water and Air barrier for superior water and air barrier protection with single source warranty
- Xi Advantage: EPS, XPS or Polyisocyanurate Insulation Board
- Max Advantage: Drainage Mat for advanced Drainage Properties

COMPONENTS

① Substrate

With code compliant lath & water resistive barrier

- ASTM C1177 glass mat faced sheathing
- ASTM C79/C1396 exterior gypsum sheathing
- ASTM C1325 Type A Exterior cement-board
- Exposure I or exterior plywood sheathing (grade C-D or better)
- Exposure I OSB
- Poured concrete/unit masonry/brick

Direct Application

- Concrete, Concrete masonry (CMU), Poured concrete, brick

② Code Compliant Water Resistive Barrier

- Per Applicable International Building/Residential Code
 - Wood Base Substrates: Minimum 2 layers *2018 IBC: Airspace/Drainage Mat may be required
 - Others per Applicable IBC/IRC
- Code complaint sheet good with a current code Evaluation Report
- Code compliant Air/Water Barrier Coating with a current code Evaluation Report

③ Code compliant lath

- Metal Lath
- Plastic Lath
- Woven Wire

④ Mortar Bed/Stucco Base Coat / Xi-Admix & Bonding Agent

- FacadesOne or FacadesThree Concentrate/Sanded: factory mix of portland cement complying with ASTM C150, chopped fibers, and proprietary ingredients mixed with water and sand (for concentrate) in the field. Must be mixed with Xi-Admix & Bonding Agent

⑤ Adhered Veneer Mortar

- Xi-Masonry Veneer Mortar

⑥ Veneer Units

- Manufactured Stone Veneer
- Natural Stone Veneer
- Thin Brick
- Tiles
- Adhered Veneers are not to exceed 36 inches in any face dimension, 5 square feet in total face areas, 2-5/8 inches thick or 15 pounds per square foot.

Consult system specifications for exact component options.

USES

Exterior, interior, high impact requirement, new, retrofit, residential, multi-family, commercial, panelized, institutional, hotels, hospitals, retail centers, schools, condominiums, and government facilities

COMPLIANCE APPROVALS

See Specification for specific installation compliant with ASTM C1780 and International Building Code 1404.10 for Adhered Masonry Veneer

ANSI A118.15 — American National Standards Institute Specifications for Improved Modified Dry-Set Cement Mortar.

ADVANTAGES

- Factory prepared mixed stucco base for consistent field quality control.
- Impact and puncture resistant.
- Warrantable Assembly
- Reduced Labor
- Shorter construction schedule
- Lower Cladding Weight for decreased structural requirements
- High Strength Mortar for Secure attachment

DESIGN CONSIDERATIONS

- All products must be installed in accordance with FXI Specification.
- Maximum allowable deflection L/360.
- The design wind load shall be determined by the structural engineer.
- Load roofs and install interior gypsum prior to installation of the stucco.
- Wood-based sheathing should be gapped 1/8-inch.
- All penetrations shall be properly treated, flashed and/or sealed using approved installation designed for water drainage to the exterior of the wall.
- Expansion joints / Movement Joints are per project design.
- Expansion joints / Movement Joints should be installed at floor line, dissimilar substrates, and through wall expansion joints. Final expansion and control joint design and location are the responsibility of the design professional.
- Sealant joints shall be detailed and installed per sealant manufacturer's recommendations.
- Slope is required on all horizontal surfaces greater than 1".

LIMITATIONS

- Framed walls must terminate stucco a minimum of 4-inches above grade, 2-inches above finished grade, or as specified by local code.
- Moist curing must be provided per specifications.
- Ambient and surface temperature must remain above 40°F (4°C) during and for 24-hours after set has occurred.
- Protect applied product from inclement weather until dry.
- Efflorescence is a natural occurrence when using cement based products subject to exterior or wet environments.
- No additives are permitted to any components unless specifically approved by FXI.
- Follow the application instructions for each component.
- Cracking will occur in portland cement stucco. This statement is true of any Portland cement based product and is not a defect of the product. Cracking can be minimized by following best practices in the FacadesOne Stucco Handbook; including proper installation of lath, proper use of control and expansion joints, proper sand selection, proper proportioning of stucco mix, avoiding the use of excess water, moist curing of the stucco after it has been applied, and proper sequencing of construction to avoid stresses in the freshly placed stucco.
- For use on vertical construction and on above grade walls only when installed on framed construction.
- Maintenance Required: Follow Adhered Veneer Manufacturers' Recommendations.

This system bulletin is not to be used as an application guide, See System specifications, details, Design Handbook and product datasheets for specific installation information.

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