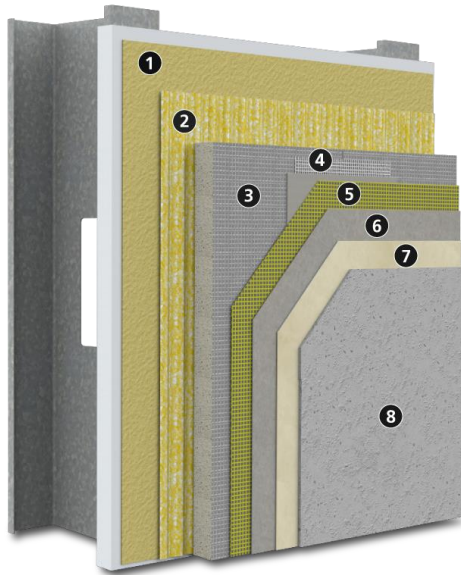


StoQuik® Silver DrainScreen®

Impact resistant decorative and protective cladding with advanced cavity wall design, and continuous air and water-resistive barrier



Substrate: Glass mat gypsum sheathing in compliance with ASTM C 1177, Exterior or Exposure 1 wood-based sheathing (plywood or OSB).

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| 1) | Air & Water-Resistive Barrier: Sto Gold Coat® |
| 2) | Drainage Mat: Sto DrainScreen® |
| 3) | Cement Board: ½-in (13mm) PermaBase® by National Gypsum |
| 4) | Joint Reinforcement: StoGuard Mesh (skim coated with Sto base coat) or Sto Detail Mesh (embedded in Sto base coat) |
| 5) | Surface Reinforcement: Sto Mesh (embedded in Sto Base Coat) |
| 6) | Base coat: Sto Primer/Adhesive-B, Sto BTS Plus, or Sto BTS® Xtra |
| 7) | StoPrime® Sand (optional) |
| 8) | Choose among: <ul style="list-style-type: none"> • Sto Standard Textured Finishes • Sto Specialty Finishes • StoCast Finishes |

System Accessory: StoSeal STPE Sealant for use as an exterior weather seal around wall penetrations, at dynamic joints in wall construction, and as an interior air seal for air barrier continuity

System Description

StoQuik Silver DrainScreen is a decorative and protective wall cladding assembly with advanced cavity wall design that includes an air and water-resistive barrier for superior moisture protection. Sto's high performance finishes applied over cement board provide handsome aesthetics and a durable exterior skin.

Uses

StoQuik Silver DrainScreen can be used in residential or commercial wall construction where energy efficiency, superior aesthetics, and air and moisture control are essential in the climatic extremes of North America.

Features

Benefits

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| Hard surfaced exterior skin | Resists damage from impact and abuse |
| Installs quickly | Reduced down time, early occupancy |
| Advanced cavity wall design with air and water-resistive barrier | Protects against mold and moisture problems |
| Wide range of finish colors and textures | Aesthetic and curb appeal easy to achieve |
| Fully tested, building code compliant | Peace of mind |

Properties

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| Cladding Weight | < 4 psf (20 kg/m²) |
| Assembly Thickness (from exterior sheathing face) | Nominal 1-in (25 mm) |
| R-value | Based on stud cavity insulation |
| Cladding Wind Load Resistance (apply appropriate safety factor) | Tested to ultimate loads of: + 166, -94 psf (+7.94, - 4.50 kPa) |
| Air Leakage (air barrier component) | < 0.004 cfm/ft² at 1.57 psf (0.02 L/s•m² at 75 Pa) |
| Construction Types, Fire-Resistance | <ul style="list-style-type: none"> • Noncombustible construction (with height limitations) • Hourly ratings |

Warranty

10, 12, or 15 year Limited Warranty, depending on options selected

Maintenance

Requires periodic cleaning to maintain appearance, repair to cracks and impact damage if they occur, recoating to enhance appearance of weathered finish. Sealants and other façade components must be maintained to prevent water infiltration.



System Bulletin

StoQuik® Silver DrainScreen®

Impact resistant decorative and protective cladding with advanced cavity wall design, and fluid applied air and water-resistive barrier

Limitations

Wind load resistance:

- ± 44 psf (2.11 kPa) over steel studs, ± 35 psf (1.67 kPa) over wood studs [safety factor of 3 applied]. Consult UL ER 22158-01 for details of construction.
- +55 psf, -31 psf (+2.63, -1.48 kPa) over steel studs, +33 psf, -37 psf (+1.58, -1.77 kPa) over wood studs [safety factor of 3 applied]. Consult ICC ESR-2536 for details of construction

The system is generally recommended for low-rise residential and commercial wall construction (4 stories or less). In some cases, such as balcony infill walls the system may be used on taller buildings. See wind load data and verify conformance with project design wind pressure requirements. Always construct a mock-up to verify design details, aesthetics, and test to verify performance as directed by design professional.

For use on vertical above grade walls only. Do not use on roofs or roof-like surfaces, on surfaces subject to in-service water immersion, or below grade. Maintain clearance of minimum 6-in (152mm) above grade.

Noncombustible Construction: limited to use on buildings less than or equal to 40-ft (12.2m) in height above grade plane. Combustible Construction: height limit as permitted by the applicable building code.

Fire-Resistance-Rated Construction: where an hourly fire-resistance rating is required consult UL ER22158-01 and ICC ESR-2536 for listed assemblies

Minor surface cracking at joints can become visible in the finished exterior surface.

Planar irregularities/waviness may be visible in finished wall surface if supporting framework is out of plane. Heavy texture finishes (≥ 1.5 mm) and/or two coats of base coat will minimize these effects.

Joints are required, including at intervals in the field of the wall to accommodate thermal movement. Refer to Sto Specifications

Light finish colors (LRV ≥ 30) are recommended to minimize thermal stress. Dark or highly saturated colors may require added maintenance compared to light or pastel colors

Air and water-resistive barrier and drainage mat are not intended for prolonged weather exposure. Refer to individual AWRB product bulletins for allowable exposure period

Refer to specific component product bulletins and packaging for other limitations that may apply involving use, handling and storage of component materials.

Sustainable Design**Air Quality and VOC Compliance**

All finish coatings, air and water-resistive barrier joint treatments and coatings meet US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) emission standards

LEED Credit Eligibility

System has high potential for LEED and other sustainability program credits based on use of continuous air and water-resistive barrier and VOC compliance

Regulatory Compliance and Standards Testing

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| UL ER 22158-01, ICC ESR-2536 | StoQuik Silver DrainScreen complies with and 2018, 2021 IBC and IRC |
| ICC ESR No. 1233 | Sto Gold Coat complies with 2018 and 2021 IBC, IRC and IECC |
| ASHRAE 90.1-2022 ¹ | Sto Gold Coat complies with Section 5, Building Envelope, air barrier requirements |
| ASTM E2178, ASTM E 2357 ² | Sto Gold Coat meets material and assembly air leakage resistance criteria |
| ASTM E 119 ⁴ | StoQuik Silver DrainScreen maintains rating of listed wall assemblies. Refer to UL ER 22158-01 and ICC ESR-2536 for listed assemblies. |

1. Energy Standard for Buildings Except Low-Rise Residential Buildings
2. Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
3. Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components
4. Standard Test Methods for Fire Test of Building Construction and Materials

For most complete information refer to www.stocorp.com

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| Sto Corp. 3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 Tel: 404-346-3666 Toll Free: 1-800-221-2397 Fax: 404 346-3119 www.stocorp.com | SB-1100 Revision: 009 Date: 05/2025 | <p style="text-align: center;">Attention</p> <p>Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. STO CORP. DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.</p> |
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