



Building with conscience.

Sto[®] Masonry Veneer Engineered Systems

Exterior Wall Systems with Adhered Masonry Veneer

Facades



Sto Masonry Veneer Engineered Systems (MVES) give you multiple options for integrating popular masonry veneer surfaces to any architectural layout. These high-performance and lightweight systems give you unlimited design flexibility to showcase the aesthetic of tile, brick, stone, or a combination with Sto's broad range of architectural surfaces.





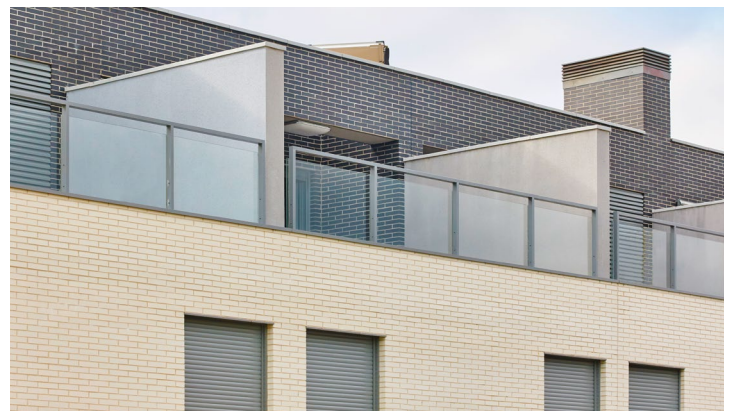
Sophisticated design meets advanced construction

Masonry is a sought-after aesthetic and its durability makes it an ideal cladding in many different types of construction. However, architects, builders and building owners now demand more than just aesthetics and durability. As exterior designs are increasingly including combinations of multiple aesthetics, the need for the compatibility and continuity of the building envelope is crucial in order to achieve a high performing and long-lasting building.

To help designers achieve the look and performance they are seeking, Sto offers the widest range of aesthetic possibilities on the most complete collection of building enclosure systems compared to every other facade manufacturer. Options include traditional plaster, opaque glass, metal looks, concrete, wood, smooth, textured, and a virtually unlimited selection of colors.



And now, with Sto Masonry Veneer Engineered Systems (MVES), Sto is adding yet another aesthetic to its portfolio. Architects and builders can now design buildings that mix different looks including masonry veneers such as thin brick, natural stone, cultured stone or ceramic tiles and benefit from the performance of a fully engineered and tested system behind that aesthetic. And designers can select the system that meets their performance needs - from a continuous insulation system (EIFS), to traditional stucco or cement board stucco systems. Sto offers one or a combination of multiple systems for the performance of the building and a myriad of aesthetic options for design freedom.





Discover the benefits of our fully engineered systems

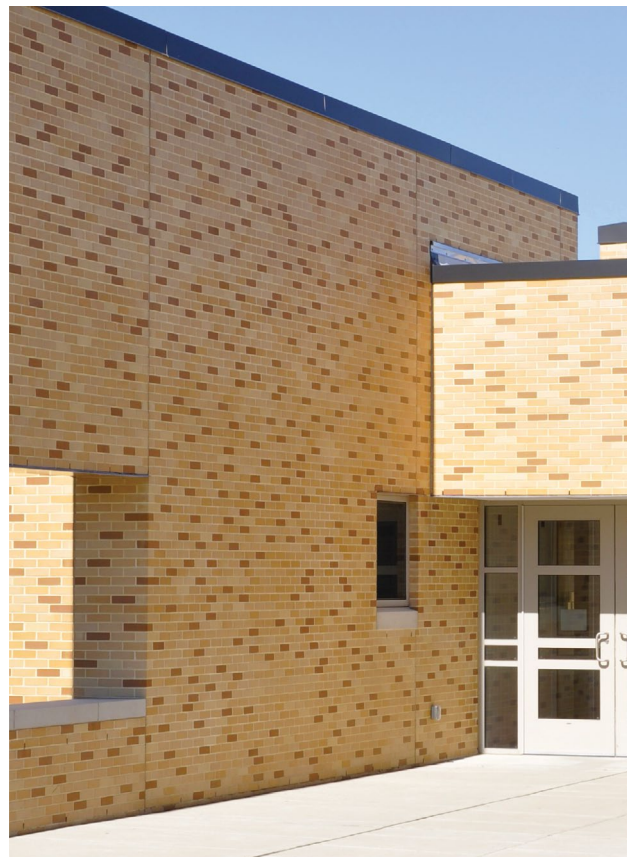
Unlike traditional masonry that only offer or guarantee the actual masonry, Sto MVES offers a full system that includes the various control layers of the building envelope. And all components have been tested to work together, ensuring compatibility and a long lasting, durable structure.

Thermal and moisture protection

All Sto MVES systems include a StoGuard® air and water-resistive barrier to provide superior protection against moisture intrusion and promote excellent indoor air quality. Unlike building wraps that are often used in traditional masonry cladding, StoGuard® air and water-resistive barrier will not tear, rip or puncture and will provide a long lasting protection for the building. Depending on the system you choose, you may also include continuous insulation for added energy and cost savings or a drainage mat for optimal moisture protection.

Tested and code compliant

All Sto systems are code compliant and have been approved for use on all construction types. And Sto has performed rigorous system level structural, fire and wind load testing to ensure long lasting durability and performance.





Choose the wall system that is right for your building

You've settled on the aesthetics, now what? Sto offers multiple wall systems for masonry veneer surfaces, allowing you to choose which is right for the desired performance of the building. All the systems include StoGuard air and water-resistant barrier and StoColl masonry veneer adhesive. StoColl is a high-performance, polymer modified, portland cement thin set adhesive that provides superior freeze thaw resistance and high bond strength.

StoTherm® ci MVES

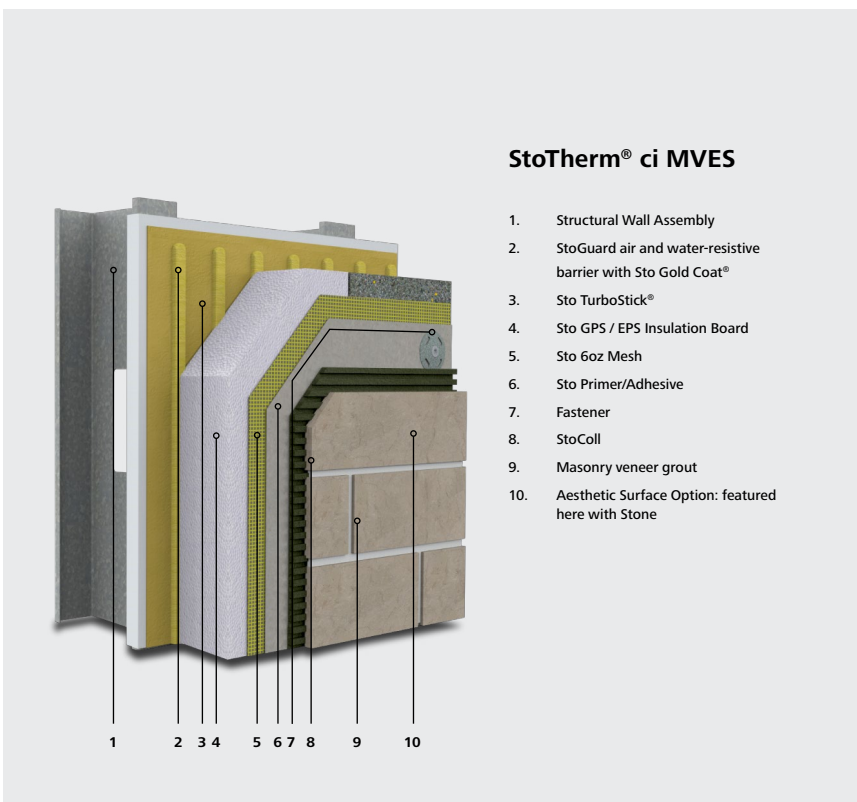
If you are looking for a lightweight, energy efficient building, StoTherm® ci MVES is the solution. It incorporates exterior continuous insulation and meets the most stringent energy codes. It complies with NFPA 268 and 285 standards for Types I-IV construction, IBC, IRC, IECC (2012, 2015, 2018), ASHRAE 90.1-2016 and has passed ASTM E119 1-hour load bearing rated assembly.

StoPowerwall® DrainScreen® MVES

For a more traditional approach, StoPowerwall MVES is a three-coat stucco system with superior impact resistance. For advanced moisture management, StoPowerwall® DrainScreen® MVES is recommended as it includes Sto DrainScreen, a drainage mat that provides additional ventilation to evacuate incidental moisture. It complies with IBC, IRC, IECC (2012, 2015, 2018) and NFPA 285 for Types I-V construction.

StoQuik® Silver DrainScreen® MVES

When designing residential, low-rise commercial or institutional buildings, StoQuik Silver DrainScreen MVES is a great choice. It is a superior impact resistant system that is fast and easy to install. It also includes Sto DrainScreen technology to promote superior drainage and drying of the wall assembly. It complies with IBC, IRC, IECC (2012, 2015, 2018) and NFPA 285 for Types I-V construction.



Features	Benefits
Variety of masonry veneers – brick, stone, tile – that integrate seamlessly with Sto finishes	Design versatility on a single compatible substrate
Continuous exterior insulation	Energy efficient, reduced heating and cooling costs
Fire resistant wall design	Occupant safety
Lightweight	Reduced structural costs (compared to full thickness masonry veneer assemblies)
Continuous air and water-resistive barrier	Impedes water penetration, helps reduce energy costs
Fully tested, building code compliant	Peace of mind




StoPowerwall® DrainScreen® MVES

1. Structural Wall Assembly
2. StoGuard air and water-resistive barrier with Sto Gold Coat®
3. Code Compliant Paper or Felt WRB
4. Sto DrainScreen®
5. Code Compliant Metal Lath
6. StoPowerwall Stucco
7. StoColl
8. Masonry veneer grout
9. Aesthetic Surface Option: featured here with Stone



StoPowerwall® MVES

Features	Benefits
Variety of masonry veneers – brick, stone, tile – that integrate seamlessly with Sto finishes	Design versatility on a single compatible substrate
Advanced Cavity Wall Design	Reduced risk of water penetration
Impact and puncture resistant cladding	Withstands abuse, reduced maintenance
Fire resistant wall design	Occupant safety
Continuous air and water-resistive barrier	Impedes water penetration, helps reduce energy costs
Fully tested, building code compliant wall assembly	Peace of mind



StoQuik® Silver DrainScreen® MVES

1. Structural Wall Assembly
2. StoGuard air and water-resistive barrier with Sto Gold Coat
3. Sto DrainScreen®
4. PermaBase® Cement Board ASTM C 1325 (min. ½ inch or 13 mm)
5. Sto Gold Coat
6. StoGuard Fabric
7. StoColl
8. StoColl
9. Masonry veneer grout
10. Aesthetic Surface Option: featured here with Tile

Features	Benefits
Variety of masonry veneers – brick, stone, tile – that integrate seamlessly with Sto finishes	Design versatility on a single compatible substrate
Impact and puncture resistant cladding	Withstands abuse, reduced maintenance
Advanced cavity wall design	Reduces risk of water penetration
Continuous air and water-resistive barrier	Impedes water penetration, helps reduce energy costs
Fully tested, building code compliant wall assembly	Peace of mind

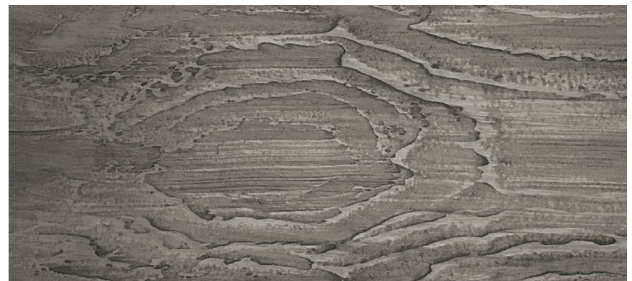
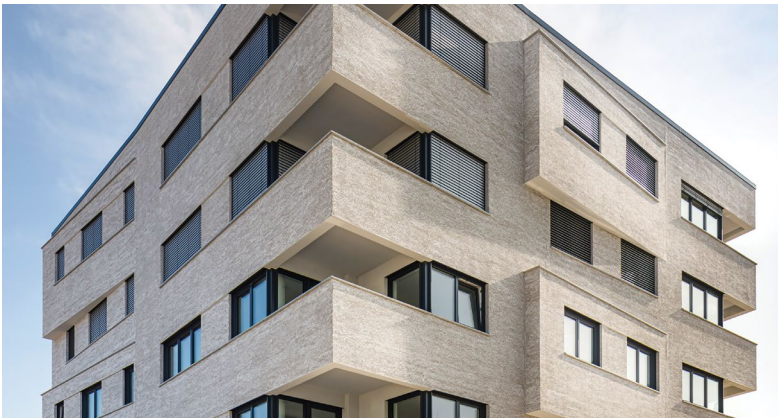


The only limit is your imagination

Inspiration favors the open mind. With Sto, your creative exploration can take you anywhere. Our proven products give you unmatched freedom and the ability to achieve your vision in any color, any form, any texture or any material.

Regardless of what inspires you or fuels your passion, the right catalyst can transform your ideas into an astounding visual that captivates viewers and gets people talking. Our vision is to provide an architectural platform that gives you unlimited creative potential with all the resources you need to complete your project. Your artistic taste paired with our materials result in a walls system that revitalizes your structure and provides a sustainable, energy-efficient building. Through innovation, expertise and a focus on performance, Sto is there wherever your inspiration leads.

Creativity Begins. **Sto Finishes.**[®]



Sto Americas

Sto Corp.
3800 Camp Creek Pkwy
Building 1400, Suite 120
Atlanta, GA 30331
USA

Phone 1-800-221-2397
www.stocorp.com

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