



Sto Corp. | Exterior

#### **More Powerful than Conventional Stucco**

Employing a systems approach to building with stucco, Sto has high performance products that are designed to work together to form a superior wall cladding. StoPowerwall™ NExT systems weigh less and can be installed faster than conventional stuccos, while our coatings and finishes can bridge hairline cracks to keep moisture out—all of which add up to a more powerful cladding system!

## **StoPowerwall™ NExT and StoPowerwall™ Stucco Systems**

**Designing the  
Evolution of Stucco.**

## What makes StoPowerwall™ NExT Systems different from the rest?

### Super Waterproof Air Barrier Protection

Combining all the features of StoPowerwall Stucco systems with StoGuard™ superior waterproofing/air barrier creates StoPowerwall NExT. StoGuard protects from moisture intrusion and air leakage as no other barrier can.

StoGuard has significant improvements over paper and fabric building wraps. StoGuard provides continuous, durable coverage of the sheathing without the fastener penetrations, rips or tears that are characteristic of conventional building wraps. The assembly provides superior water penetration and air leakage resistance. StoGuard resists water penetration for up to 75 minutes when subjected to water spray equivalent to 8 inches (203 mm) of rainfall per hour driven by an approximate 50-mile per hour (80 km/h) wind. Unlike building wraps, StoGuard is tear-proof and will not displace with wind gusts.

Choose StoPowerwall NExT for superior protection of your investment.

### National Products with Local Materials

StoPowerwall NExT systems offer a single solution that combines both regional and national products for complete system quality control and cost effectiveness. To start, StoPowerwall Stuccos are produced regionally with local raw materials to economically deliver the best value for your building.

StoPowerwall coatings and finishes are produced in Sto's ISO certified national manufacturing facilities with extremely strict quality control requirements and the best raw materials from across North America. Plus, Sto's high quality elastomeric finishes use high polymer content and marble aggregate (not quartz) and are designed for maximum crack bridging and to minimize pin holes.

### Lightweight

StoPowerwall Stucco can be applied at half the thickness of conventional stucco. As a lighter weight cladding than field mixed stucco, StoPowerwall requires lower and less expensive structural requirements – saving you time and money.

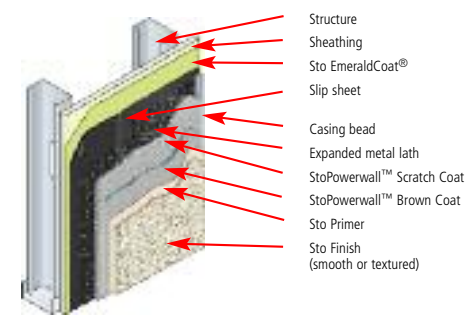
### Unmatched Color Selection and Custom Design Options

Available in a popular collection or custom tints, StoPowerwall offers excellent color uniformity. Sto ensures batch-to-batch consistency, so if just a few pails are needed, the color can be easily matched. Plus, using highly concentrated pigments means StoPowerwall uses a smaller amount that will not break down or dilute material like universal tints can.

With smooth coatings, a variety of textured finishes, and more than 1,000,000 tint formulas readily available to distributors via the internet, StoPowerwall enables unmatched custom design options and color selection.

## StoPowerwall™ NExT Stucco Systems

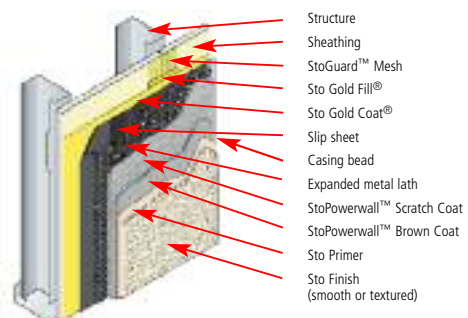
### StoPowerwall™ NExT with Sto EmeraldCoat®



Sto EmeraldCoat® has a perm rating of 17.

Also use where an air barrier is necessary or required by code (conventional code prescribed moisture protection – asphalt saturated felt – is NOT an air barrier).

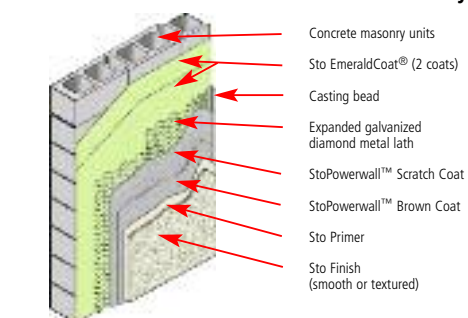
### StoPowerwall™ NExT with Sto Gold Coat®



Sto Gold Coat® has a perm rating of 5.

Also use where an air barrier is necessary or required by code (conventional moisture protection – asphalt saturated felt – is NOT an air barrier).

### StoPowerwall™ NExT with Concrete Masonry



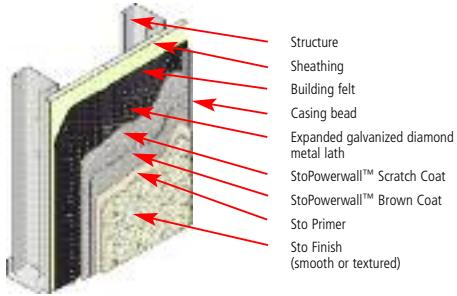
Use for superior moisture protection over CMU wall construction.

Also use where an air barrier is necessary or required by code.

For "rough" CMU wall surfaces, parge with Sto cementitious leveler before application of Sto EmeraldCoat®.

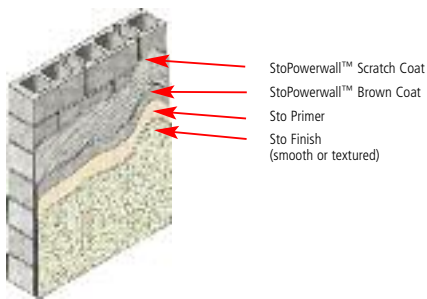
## StoPowerwall™ Stucco Systems

### StoPowerwall™ Stucco over Steel or Wood Frame Construction



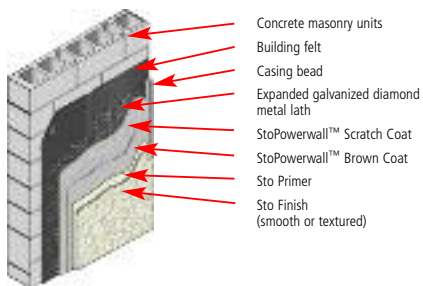
Use over frame construction where moisture protection prescribed by code is sufficient for design and exposure conditions and where no air barrier is required.

### StoPowerwall™ Stucco over Concrete Masonry Construction



Use over concrete or CMU wall construction with StoPowerwall Stucco applied in one coat to a maximum thickness of 1/2 inch or in two coats to a maximum thickness of 5/8 inch (not including finish texture).

### StoPowerwall™ Stucco over Concrete Masonry Construction



Use where concrete masonry is painted or has other surface contamination that prohibits bond to the surface. Also use where wall construction is highly irregular or out of plane and more than 5/8 inch (16 mm) of stucco thickness is required to plumb wall surfaces.

## What does this all mean?

Cost effective, lightweight StoPowerwall systems offer greater flexural strength, higher impact resistance and faster installation than conventional stucco. Sto coatings and finishes bridge hairline cracks to keep moisture out, enhancing weather resistance and long-term appearance.

With your help, Sto offers your building owners and homeowners lasting high performance beauty with a single-source of responsibility. From one manufacturer, you and your customers get advanced, integrated stucco cladding systems, comprehensive warranties, and unmatched service. Powerful performance from a powerful company.

### For more information and installation details...

For more information about StoPowerwall or any Sto cladding or coating systems or to contact your local distributor, please visit us on the web at [www.stocorp.com](http://www.stocorp.com) or call us toll free at 1-800-221-2397.



# the innovative world leader in cladding, coating and restoration systems

## StoPowerwall™ NExT and StoPowerwall™ Stucco vs. Conventional Stucco

Choosing a stucco system can be difficult. It is important that the system provides superior protection against moisture intrusion, air leakage and cracking. Sto offers two stucco systems – StoPowerwall NExT, which has air leakage & moisture intrusion protection, and StoPowerwall Stucco. Both systems offer advantages over conventional stucco which you will see on the chart below.

	StoPowerwall™ NExT System	StoPowerwall™ Stucco System	Conventional Stucco
Superior Moisture Protection	✓		
Code Compliance	✓	✓	✓
Reduced Labor Costs	✓	✓	
Color Consistency	✓	✓	
Reduced Cracking	✓	✓	
Reduced Efflorescence	✓	✓	
Reduced Structural Requirements	✓	✓	
Energy Savings	✓		
Warranty	Up to 12 year Materials Warranty	Up to 10 year Materials Warranty	No manufacturer warranty

### Key details to combat moisture intrusion with any cladding



1. Sill flashing beneath window



2. Kick-out flashing at lower roof terminations



3. Sealant around windows & doors



4. Flashing at decks



5. Sealant at penetrations



6. Expansion joint at floor lines & sealant



7. Finish above grade



8. Finish above grade



9. Flashing over buildouts



10. Cap flashing over parapets



11. Saddle flashing at lower/higher walls



12. Protection of rough openings

#### ATTENTION

This product is 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. It 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 this product 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 EXPRESSED 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](http://www.stocorp.com).



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