



Building with conscience.

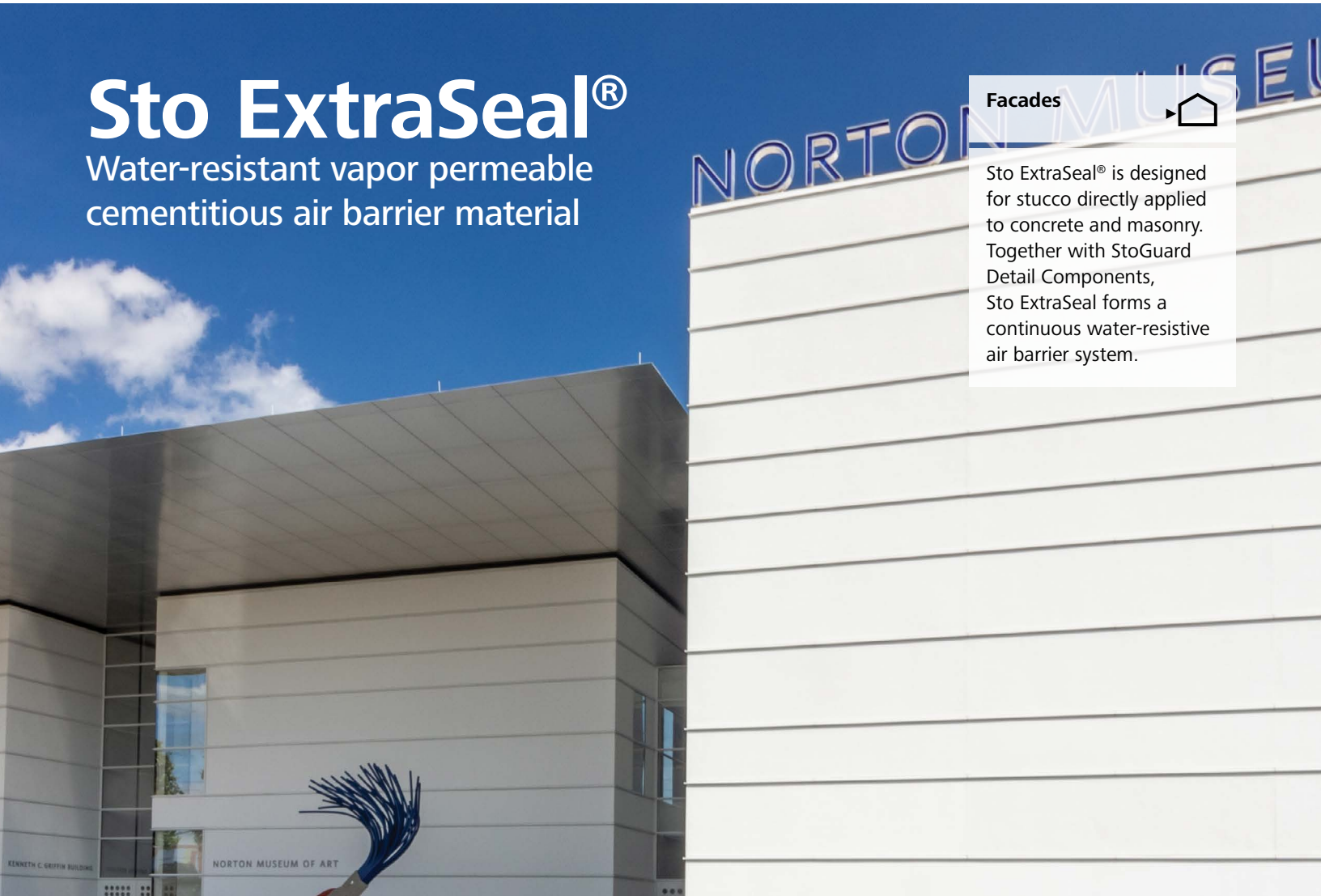
Sto ExtraSeal®

Water-resistant vapor permeable
cementitious air barrier material

Facades



Sto ExtraSeal® is designed for stucco directly applied to concrete and masonry. Together with StoGuard Detail Components, Sto ExtraSeal forms a continuous water-resistant air barrier system.



Sto ExtraSeal is a trowel-applied polymer-modified portland cement product with excellent adhesion to prepared concrete and masonry surfaces. It provides a simple and effective way to install a water-resistant air barrier system under stucco directly applied to concrete and masonry.

Sto ExtraSeal is part of the StoGuard family of products used to make continuous air and water-resistant barrier systems for exterior wall applications.





Direct applied stucco needs Sto ExtraSeal

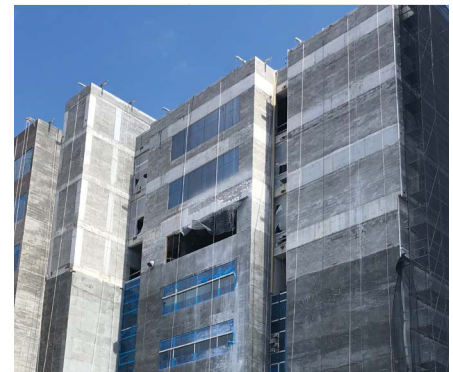
Air barrier systems have been widely adopted in building design and construction because they reduce energy consumption, prevent moisture damage and extend building longevity. They do this by controlling movement of air and moisture through the building envelope. Benefits of air barrier systems are so significant that they are required under the 2020 Florida Building Code and the International Energy Conservation Code (IECC).

Section C402.5 *Air Leakage- thermal envelope (Mandatory)* of the 2020 Florida Building Code is taken directly from the 2018 IECC. Section C402.5.1.2.1 and Section C402.5.1.2.2 provide two prescriptive methods of code compliance.

If neither prescriptive approach is used, per Section C402.5 code compliance can be demonstrated by testing the building itself according to ASTM E779 *Standard Test Method for Determining Air Leakage by Fan Pressurization*. A result not greater than 0.40 cfm/ft² (2.0 L/second/m²) is required. Other state codes that adopt the 2018 IECC can be expected to include similar requirements.

Sto ExtraSeal is applied as a skim coat, then as a scratch coat prior to the installation of the stucco brown coat. Installed as such it complies with the air barrier material performance requirement of Section C402.5.1.2.1. When combined with StoGuard Detail Components and other prescriptive requirements of the code, it fully meets Section C402.5.1.2.1 prescriptive requirements.

Water-resistance of Sto ExtraSeal has been confirmed by third-party testing in accordance with ASTM E514 *Water Penetration and Leakage Through Masonry* which simulates wind-driven rain impinging on masonry walls. Resistance to wind-driven rain and integration into a code-compliant air barrier system makes Sto ExtraSeal a vital part of direct-applied stucco systems.



Sto ExtraSeal Benefits

- Meets prescriptive requirements of Section C402.5.1.2.1 of the 2020 Florida Building Code when installed according to Sto Corp. instructions
- Resists wind-driven rain
- Maintains 5/8" stucco thickness per ASTM C926
- Vapor permeable
- Provides the owner with a single source system warranty* when installed as a system utilizing Sto Premium Finishes or StoColor® Architectural Coatings

*NOTE: the system warranty is valid when StoPowerwall® or Sto listed stucco is used.

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Contact your local STO representative or visit www.stocorp.com/stoguard for access to detail booklets, guide specifications, product bulletins and safety data sheets.