

The Ultra Wall System

Using Styrofoam™ Cavitymate™ Ultra

A 3-in-1 continuous insulation, water and air barrier solution.



The Ultra Wall System using Styrofoam™ Brand Cavitymate™ Ultra is a 3-in-1 continuous insulation, water and air barrier solution. It was developed in response to feedback from architects and masons in need of a **consolidated system** for cavity walls that **exceeds new energy code requirements without negatively impacting schedule**. The system uses enhanced extruded polystyrene foam (XPS-Styrofoam™) with sealed joints using Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant.

Thermal Layer	
High R-Value	5.6 R/inch
Water-resistive Layer	
ASTM E331	Pass – No water penetration during 2 hours of pressurized testing
ASTM C272	Water absorption: 0.3% max
Air Sealing Layer	
ASTM E2357	Code: 0.04 cfm / ft ² ; 0.01606 cfm / ft ² MAX; Improvement over code: 258%
Vapor Retarding Layer	
ASTM E96	2.18" or greater ≤ 1.0 perm

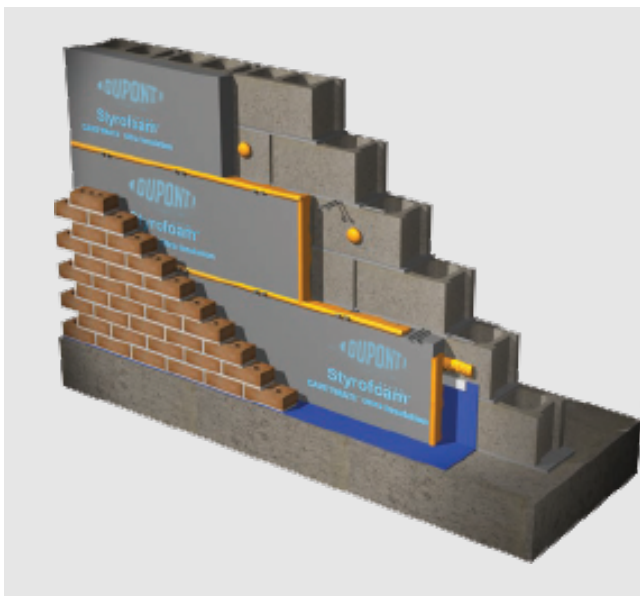
Back Up Applications	CMU Block Cavity Wall
NFPA-285 Approved Veneers	Brick – nominal 4" min. Concrete – 2" thick min.
UL Ratings	U902, U912
Joint Treatments	Great Stuff™ PRO Gaps & Cracks , LiquidArmor™
Warranty	50 Year Limited Thermal Warranty
LEED Points	EQ Credit: 1 point EA Credit: 1-19 points 24% Preconsumer Recycled Content: 2 points
Standard Thicknesses	1.75" = R10, 2.18" = R12, 2.5"= R14 2.75"= R15.4, 3" = 16.8, 3.5"= 19.6

Masons have been installing Styrofoam™ Brand Cavitymate™ Insulation for over 40 years. We've simply taken it a bit further to evolve with new code requirements while keeping it in the hands of the mason.

With the Ultra Wall System, masons can install the continuous insulation and air/vapor barrier while installing their masonry veneer. Contrary to other methods of air

sealing, this system has fewer weather restrictions preventing contractors from delay during winter months or due to other subcontractors.

Putting the system in the hands of the mason means one trade is in control of the construction and craftsmanship of the exterior wall. This allows for fewer scaffold sequences, less trade coordination, less labor, and a streamlined critical path.



The Result:
A cost-effective and complete system for an energy efficient masonry cavity wall.



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CAUTION: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. For more information, consult (Material) Safety Data Sheet ((M)SDS), call DuPont at 1-866-583-2583, or contact your local building inspector. In an emergency, call 1-989-636-4400.

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