

Benefits Summary: DuPont™ ArmorWall™ System and Structa Wire for Lath Based Assemblies

ArmorWall™ System, ArmorDry™, and Structa Wire exterior wall assemblies offer a code compliant, performance verified, solutions for lath-based ASTM C926 cladding systems applied over continuous insulation (ci) including cement plaster stucco, cement plaster with stone veneer, and cement plaster with brick veneer.

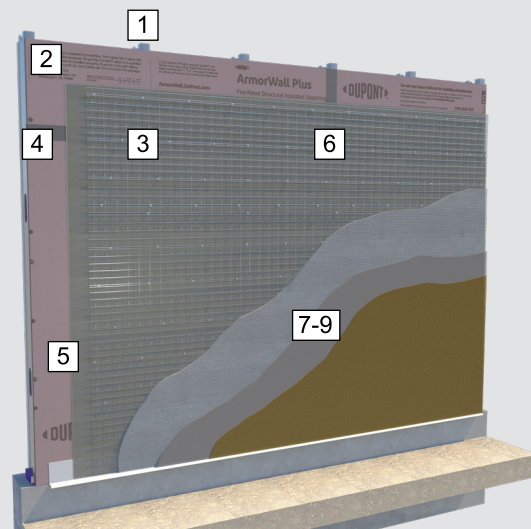
The benefits:

- DuPont™ ArmorWall™ combined with Structa Wire creates a **secure assembly for any lath-based material**, including stucco, stone and brick
- Structa Wire's welded wire lath can be fastened directly to ArmorWall™, **without extending fasteners to framing** and complying with code requirements, including ASTM C1063.
- The combined assembly provides a flat surface allowing for **uniform plaster thickness, minimizing voids and weak areas**
- DuPont provides an ASTM-tested assembly that is **NFPA 285 compliant** Contact DuPont for details.
- The ArmorWall™ System is tested to **exceed ASTM E331 at 15psf (water penetration resistance) and E283 (air performance)** requirements after structural loading (ASTM E2357) and thermal cycling (AAMA 501.5)
- Continuous exterior insulation supports high-performance moisture control strategies and thermal performance with **industry leading reductions in clear field thermal bridging**
- Structa Wire's continuous roll format and welded wire geometry **helps reduce overlaps and helps enhance full plaster embedment**



Spotlight: Superior Clear Field Thermal Performance

Due to the ability to eliminate conductive components in an assembly, such as sub-girts, which can reduce effective thermal resistance, the ArmorWall™ System helps provide exceptional thermal performance via a continuous insulation design with minimal thermal loss. Clear field thermal analysis performed by Stantec (formerly Morrison Hershfield) demonstrated up to 93% retention of its thermal resistance, well above typical assemblies, when the impact of structural attachment is included.



1. Metal Stud Frame
2. DuPont™ ArmorWall™ Plus Fire-Rated Structural Insulated Sheathing (R10, R15, or R21 Standard)
3. DuPont Approved #10-13 Coated Pancake Head Fastener
4. DuPont™ LiquidArmor™ Flat all Seams and Fasteners
5. DuPont™ ArmorDry™ Exterior Drainage Mat
6. Structa Welded Wire Lath
- 7-9. Stucco system

Why Structa Wire Lath?

Superior Embedment – Fewer Cracks

Open wire grid geometry provides crack-bridging capability and deep stucco keying. Welded joints create a reinforcing truss across the full surface – similar in principle to rebar in concrete.

Roll Format – Fewer Laps, Faster Coverage

Rolled products can eliminate the lap joint every 8 feet typical of sheet lath. Cut to length on site. Fewer laps mean fewer potential crack points and a faster, cleaner application.

No Spring-Back – Safe Jobsite Handling

Cold-rolled, flattened longitudinal wires mean rolls lay flat when unrolled. Easy to handle, cut, and wrap around corners, with no damage to the vapour barrier.

Double Wire Track is Built-In Fastening Track

Eight secondary longitudinal wires form a continuous track for self-tapping screws, hand nails, and automatic staples – can eliminate guesswork on fastener placement.

Proven Productivity Gains

A contractor-completed time-and-materials study verified 20–40% improvements in jobsite efficiency and waste reduction – driven in particular by TwinTrac's continuous roll format and built-in fastening track.

Approved for Tile and Stone Veneer

Twin Trac and Mega Lath meet ANSI A108.02 for tile, and enforce the full ¾" stucco base required behind manufactured and natural stone cladding.

Recycled Steel – LEED Eligible

Manufactured from recycled steel with optimized packaging and transport – supporting LEED documentation and green building requirements.

Architect Education and Specification Support

AIA-CEU Optimized Lath Selection for Enhanced Stucco Performance provides accredited learning on lath selection and stucco performance – supporting confident specification at the design stage.

Lath options to match your system and prevailing building codes. All Structa Wire lath products are fully code-compliant under IAPMO ER 2017.

- **Structalath III** – traditional three-coat stucco systems; welded wire alternative to woven wire lath
- **TwinTrac 2.5** – approved alternative to 2.5 lb expanded metal lath
- **Mega Lath** – heavy-duty reinforcing; alternative to 3.4 lb expanded metal lath

For more information regarding Structa Wire products please call 1-800-887-4708.

What is ArmorWall™?

A 5-in-1 exterior wall solution

The DuPont™ ArmorWall™ System incorporates five traditional building enclosure elements:

- Structural Sheathing for Direct Cladding Attachment
- Fire-Resistance
- Continuous Air Barrier
- Water-Resistive Barrier
- Ultra Low-GWP Continuous Insulation Layer

With its integrated air/water barrier, the ArmorWall™ System enables faster building enclosure compared to traditional assemblies. This can reduce contractors' weather-related concerns, allowing for quicker turnover to owners.

Attaching essentially any cladding type, including traditional rainscreens, brick, stucco and EIFS is no problem for ArmorWall™ thanks to its unique Magnesium Oxide (MgO) sheathing, providing exceptional strength and durability.



For more information visit us at armorwall.dupont.com or call 1-833-338-7668

DuPont believes this information to be reliable. It may be subject to change as additional knowledge and experience are gained. It is not intended as a substitute for any testing you may conduct to determine for yourself the suitability of our products, alone or in combination with other products, for your particular purpose. The DuPont product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries or regions. Since conditions for use are outside DuPont's control, DUPONT DE NEMOURS, INC AND ITS AFFILIATES MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION OR PRODUCT. This information is not intended as a license to operate under or a recommendation to infringe any trademark, patent or technical information of DuPont or other persons covering any material or its use.

Argeton Terra Cotta is a product manufactured by Argeton. Please contact Telling Architectural Systems for all questions regarding their product as described in this summary. The information provided herein is not a substitute for any testing you may need to conduct to determine for yourself the suitability of these products, alone or in combination together, for your particular purpose. As conditions for use are outside the DuPont's control, DuPont de Nemours, Inc. and its affiliates make NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE related to the products or information described by Argeton, individually or in combination with any DuPont product.

© 2026 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, ® or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.

Form No. 43-D101459-enUS-0726 CDP