

Styrofoam™ Brand XPS

# History of innovation continues



# Trusted performance

DuPont™ Styrofoam™ Brand extruded polystyrene (XPS) has an 80-year history of leading the way. From the beginning, as an innovation that created an entirely new product category and changed building construction, Styrofoam™ Brand XPS has been setting standards for thermal and moisture protection.

Now, Styrofoam™ Brand XPS is ready to go Beyond Blue with an expanded product line that includes a reduced global warming potential formulation that helps reduce greenhouse gas emissions. It's the next move in a journey that's driven by our commitment to build a more sustainable future, all while maintaining the trusted performance you've come to expect.

**DUPONT™**  
**Styrofoam™**  
Brand™

## Styrofoam™ History of Innovation Timeline



**1941**

Styrofoam™ is invented, creating an entirely new product category (XPS)



**1983**

Styrofoam™ Brand Insulation begins a proud legacy of support with Habitat for Humanity



**2009**

Styrofoam™ Brand Insulation introduces zero ODP (ozone depletion potential) formulation



**2011**

BLUEDGE™ technology is introduced, providing a more sustainable flame-retardant solution for polystyrene foam



**2016**

Styrofoam™ Brand Insulation begins production with 100% renewable energy



**2021**

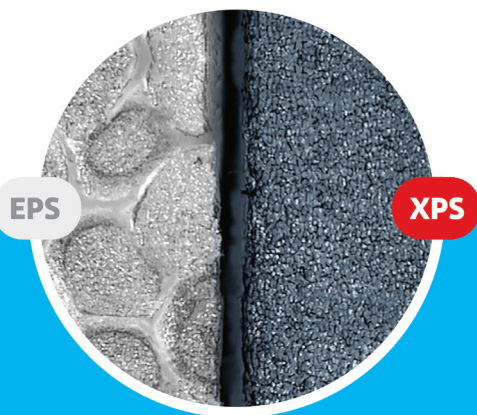
January 2021 Styrofoam™ Brand Insulation reduced-GWP formulation launched — Beyond Blue

The grey, reduced-GWP Styrofoam™ Brand Extruded Polystyrene (XPS) Insulation began distribution in select U.S. states on January 1, 2021, with plans to expand the product offering going forward. Both blue and grey boards will be available in the market during the transition.

# Products for applications from foundation to roof

Styrofoam™ Brand XPS Insulation is produced in a large selection of sizes, cuts, edge treatments and compressive strengths readily available through our wide dealer network. Proven to deliver consistent R-value<sup>1</sup> performance over time and temperature extremes, the original XPS is there when you need it.

<sup>1</sup>R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-values are expressed in ft<sup>2</sup> · h · °F/Btu.



## The XPS Advantage

The cell matrix of EPS foam allows the intrusion of water over time. The closed-cell structure Styrofoam™ Brand XPS Insulation protects better in critical applications.

**Moisture** — Closed-cell structure absorbs less water than EPS products

**R-Value** — XPS holds R-value better than EPS when water is present

**Durability** — Absorbed water can cause damage in freeze/thaw conditions

## Foundation and slab

Styrofoam™ Brand XPS Insulation is durable and easy to install, making it ideal for use with slab foundations and interior or exterior below-grade walls. For exterior foundation walls, this insulation eliminates thermal bridging, reduces air convection in block cavities and does not reduce interior usable space.

### DuPont™ Styrofoam™ Brand Highload XPS Foam Insulation

- R-value 5.0/inch
- Long-term compressive strength in load-bearing applications (available in 40, 60 and 100 psi)
- Tough and versatile for commercial high-load, low-temperature or geotechnical applications
- Superior resistance to water absorption, water vapor transmission and freeze/thaw cycling
- Resists compressive creep and fatigue

### DuPont™ Styrofoam™ Brand Scoreboard XPS Foam Insulation

- R-value 5.0/inch
- High moisture resistance for exterior cavity wall and foundation applications
- Scored longitudinally on 16- and 24-inch centers — easy to size, cut and install

### DuPont™ Styrofoam™ Brand Square Edge XPS Foam Insulation

- R-value 5.0/inch
- Water-resistant insulation for foundations and crawlspaces
- Minimum compressive strength of 25 psi; flexural strength of 50 psi
- Designed to help ensure energy efficiency and minimize on-site cutting/waste

### DuPont™ Styrofoam™ Brand Perimate™ XPS Foam Insulation

- R-value 5.0/inch
- Sturdy, moisture-resistant foam board insulation for exterior foundations
- Patented dovetail grooves on one face — to channel water down to footing drains or weeping tiles
- With shiplap edges on the long edges

## Exterior walls

High-performance buildings use easy-to-install Styrofoam™ Brand XPS Insulation on above-grade exterior walls. DuPont also offers fully integrated wall systems that leverage our proven technologies, compatible materials and construction expertise — all backed by industry-leading warranties. Design flexibility is also supported with fire-approved wall assemblies for steel-stud and block-back cavity walls.

### DuPont™ Styrofoam™ Brand Cavitymate™ XPS Foam Insulation

- R-value 5.0/inch
- Moisture-resistant and durable
- Conveniently fits between brick ties
- Specifically designed for use in wet cavity wall environments in commercial applications
- Keeps cavity temperature above dew point to prevent condensation
- Also available: DuPont™ Styrofoam™ Brand Cavitymate™ SC, Cavitymate™ Plus, Cavitymate™ Ultra (R-value 5.6) and Cavitymate™ Ultra SL (R-value 5.6)

### Wall Systems

- Proven compatible products — rigid foam insulation and innovative barrier sealing and flashing technologies — both streamline installation and help your building perform more efficiently
- Systems are tested and proven to perform over a wide range of conditions and climates and are backed by trusted system warranties
- These wall systems offer excellent long-term thermal performance, ease of use, moisture resistance and, in some situations, reusability
- **DuPont™ Commercial Wall<sup>2</sup> Systems** — combine DuPont™ Brand Styrofoam™ XPS Insulation and DuPont™ Tyvek® CommercialWrap
  - WRB under or over exterior CI
  - DuPont™ Commercial Wall<sup>2</sup> (Inverted Wall) — combine DuPont™ Styrofoam™ Brand XPS Insulation, the exterior gypsum, then either DuPont™ Tyvek® CommercialWrap or DuPont™ Tyvek® Fluid Applied WB+™
- **DuPont™ Styrofoam™ Brand Ultra Wall System** — combines the XPS insulation with Great Stuff Pro™ Gaps & Cracks Insulating Foam Sealant (on CMU)
- **DuPont™ Styrofoam™ Brand Ultra SL Wall System** — combines the XPS insulation with DuPont™ LiquidArmor™ Flashing & Sealant (on steel studs)

### DuPont™ Styrofoam™ Brand Tongue and Groove XPS Foam Insulation

- R-value 5.0/inch
- Tongue and groove edges lock into place
- Wide range of above-/below-grade uses: exterior/interior walls, ceilings, crawlspaces and exterior/interior foundation walls

### DuPont™ Styrofoam™ Brand UtilityFit™ XPS 15 PSI Insulation

- R-value 5.0/inch
- Versatile, utility-grade for applications that don't need high compressive strength

## Low slope roofs

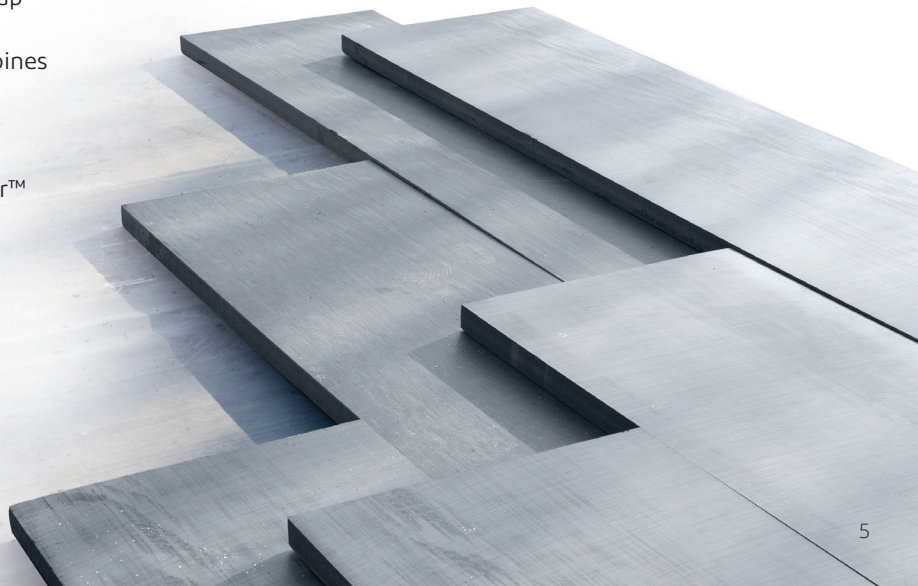
For a longer-lasting, energy-efficient and sustainable roof, use moisture-resistant and high-performance Styrofoam™ Brand XPS Insulation.

### DuPont™ Styrofoam™ Brand Roofmate™, Ribbed Roofmate™, Plazamate™ and Highload XPS Foam Insulation

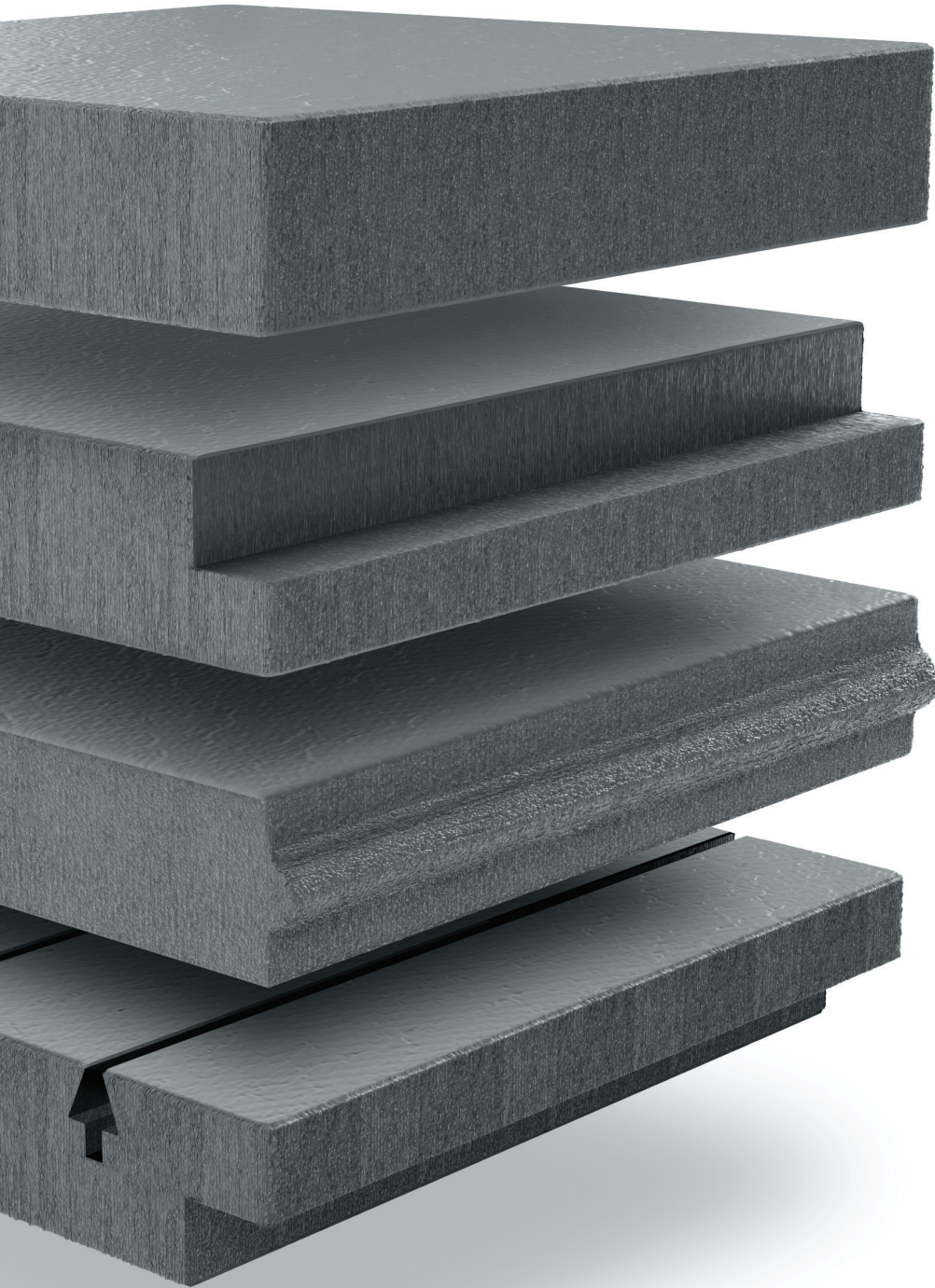
- R-value 5.0/inch
- Water-resistant thermal protection for inverted or protected membrane roof systems
- Compressive strength range: 40 & 60 psi
- Easy to fabricate into sizes/shapes needed
- Ideal for insulating green and blue roofs (water-/rot-resistant)
- Reusable

### DuPont™ Styrofoam™ Brand Deckmate™ Plus and Deckmate™ Plus FA (Flat and Tapered) XPS Foam Insulation

- R-value 5.0/inch
- Planed surface and shiplap edges
- For use in fully adhered conventional low-slope roof applications
- Installed directly on structural steel decks beneath nonbituminous sheet membrane



## Profile Options\*



### Square Edge

Classic profile available for a variety of thermal insulation needs

### Shiplap

Edges ensure energy efficiency and minimize on-site cutting and waste

### Tongue and Groove

Designed to lock into the adjoining sheet for maximum coverage

### Perimate

Innovative surface channels optimize water drainage from foundation walls

\* Not all products are available in all locations.



DIIDONIT

Styrofoam  
Brand



## Protection for all six sides

There are no insignificant details on a building project. It's critical to ensure that the full building envelope is protected from water, air and thermal intrusion — at every level and at every transition. DuPont has the solutions you need to ensure complete, lasting coverage.

## Exceeding the expected

Our history is rooted in innovation — allowing us to deliver better, more-sustainable technology for the building envelope. Reduced-GWP DuPont™ Styrofoam™ Brand XPS Insulation is another example of our long-term commitment to global sustainability and environmentally compliant building solutions. Learn more at [BeyondBlue.DuPont.com](https://www.beyondblue.dupont.com).

We're continuing to advance our 2030 Sustainability Goals and invest in global efforts and technology innovations to help build energy-efficient, resilient and durable structures in this rapidly changing world. Learn more about our performance building solutions and continuing sustainability efforts at [Building.DuPont.com](https://www.building.dupont.com).

Build better. Build beyond. Build for sure.



[building.dupont.com](https://www.building.dupont.com)

For technical information, see the [Resource Center](#) on the DuPont website.

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