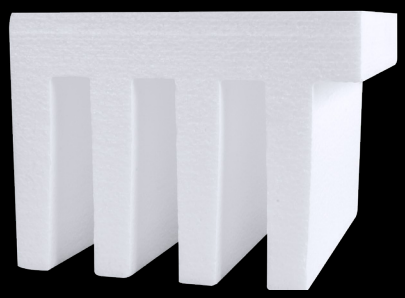
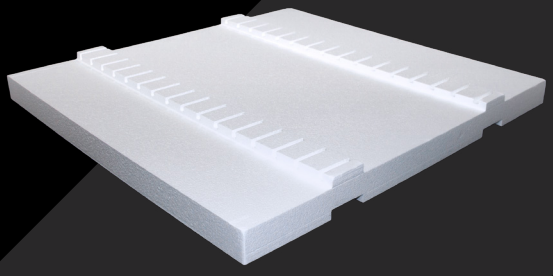
SuperForm™ Insulation

Proudly manufactured in Canada.





Building a better future.

superformicf.com

SuperForm™ MAX+

SuperForm MAX+ is a premium Neopor® graphite polystyrene (GPS) rigid foam insulation. MAX+ features all of the performance attributes of EPS+, complimented by the added benefits of a unique graphite cell structure. SuperForm MAX+ delivers one of the most efficient, cost effective, and sustainable insulation products available. Additionally, MAX+ meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

SuperForm MAX+ uses high-purity, graphite particles to create a reflective cell structure. This distinct cell structure reflects radiant heat as it travels through the insulation. Get maximum energy efficiency, stability and durability, and moisture management with MAX+.

Stable R-Value

- Provides a stable R-value that does not deteriorate over time.

Compressive Strength

- Available in 10, 16, 20, 25, and 30 psi.

Moisture Resistance

- Closed cell polystyrene insulation proven to resist moisture gain.

Vapor Permeable

- Allows moisture vapor to effectively move through its structure.

Drying Potential

- Designed to quickly release moisture and maintain its R-value over time.

Low Environmental Impact

- Does not use or contain ozone-depleting blowing agents such as HFCs.

Dimensional Availability

- Options to suit every application – standards sizes or custom cut to your needs.

Applications: Wall, Ceiling, Perimeter, Below Grade, Floor Insulation, Roofing, EIFS, Structural Insulated Panels (SIP), Precast Floor & Wall Panels

Why choose SuperForm MAX+

MAX+ vs. XPS Comparison

MAX+	XPS
Cell Structure: Manufactured from graphite expanded polystyrene resin using a pentane blowing agent. This creates an air-filled, closed cell foam.	**Cell Structure:** Manufactured using polystyrene, blowing agents, and dyes. This creates a closed cell foam that often contains hydrofluorocarbons (HFCs).
R-Value Stability: Provides a stable R-value that does not deteriorate over time.	**R-Value Stability:** Less stable and the R-value deteriorates as gasses escape its cells.
Long Term R Value: LTTR does not apply to MAX+, because it is not manufactured with the intent to retain blowing agent and due to its closed cell nature, there is no reduction in R value over time.	**Long Term R Value:** XPS uses a blowing agent when manufactured, thus it leaks over time reducing the R-value by 10% over 5 years, **resulting in a R-value of 4.5, which is lower than that of MAX+**
Compressive Strength: Available in 10, 16, 20, 25, and 30 psi.	**Compressive Strength:** Available in 15, 25, 30, 40, 60, and 100 psi.
Cost: Impressive cost per R-value and compressive strength. **MAX+ is a dependable, cost-efficient solution that on average costs 10 - 30 percent less than XPS.**	**Cost: A much higher cost per R-value and on average costs 10 - 30 percent more than MAX+.** Additionally, its R-value is less stable and deteriorates over time.
Water Absorption: MAX+ absorbs more water initially but retains less water long term. Designed to quickly release moisture. This enables it to dry quickly and maintain its R-value over time. **15 years study shows 5% water absorption, 94% R-value retention.**	**Water Absorption:** XPS absorbs less water initially, but retains more water long term. Often traps moisture due to its low drying potential. Its inability to release moisture causes its R-value to deteriorate over time. **15 Year study shows 19% water absorption, 52% R-value retention.**
Water Resistance: Closed cell polystyrene insulation that is resistant to moisture gain, proven to resist moisture in both short (24 hour) and long-term tests.	**Water Resistance:** Closed cell polystyrene insulation that is resistant to moisture gain. However, its ability to resist moisture has only been proven in short-term (24 hour) tests.
Vapor Permeance: Ranges from 2.5 – 5.0 ng/Pa·s·m2 per inch thick. **It is more breathable and dry's better in wet climates.**	**Vapor Permeance:** Typically 1.5 ng/Pa·s·m2 per inch thick. **Is not breathable and has high potential of trapping moisture in your wall due to its low drying capability.**
Environmental Impact: Low impact on the environment. Its manufacturing process uses a pentane blowing agent instead of the hydrofluorocarbons (HFCs) blowing agents typically used to produce XPS. **MAX+ is Green Gaurd certified and has the lowest carbon footprint of all rigid insulation, up to 57 times lower.**	**Environmental Impact:** High impact on the environment. Its use of hydrofluorocarbons (HFCs) as a blowing agent cause a very high global warming potential (GWP). It also uses harmful color dyes not found in MAX+. **Results in a carbon footprint of up to 33-57 times higher then MAX+.**
Standard Compliance: Meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.	**Standard Compliance:** : Meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
Dimensional Availability: Options to suit every application - standard sizes or custom cuts to suit your needs.	**Dimensional Availability:** Limited thickness and size options.

SuperForm™ EPS+

SuperForm EPS+ is a high-grade expanded polystyrene (EPS) rigid foam insulation. It provides a dependable insulation product that can be used for almost every type of building insulation application. A stable R-value and compressive strength provide an inexpensive, energy-efficient insulation solution available in a wide range of thicknesses. Additionally, EPS+ meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

EPS+ is manufactured from expanded polystyrene resin using a pentane blowing agent. This process does not use the hydrofluorocarbons (HFCs) typically used to produce XPS. The result is a closed, air-filled cell structure that does not contain HFCs with a very low impact on the environment.

Stable R-Value
- Provides a stable R-value that does not deteriorate over time.

Compressive Strength
- Available in 10, 16, 20, 25, 30, 40, and 60 psi.

Moisture Resistance
- Closed cell polystyrene insulation proven to resist moisture gain.

Vapor Permeable
- Allows moisture vapor to effectively move through its structure.

Drying Potential
- Designed to quickly release moisture and maintain its R-value over time.

Low Environmental Impact
- Does not use or contain ozone-depleting blowing agents such as HFCs.

Dimensional Availability
- Options to suit every application – standards sizes or custom cut to your needs.

Applications: Wall, Ceiling, Perimeter, Below Grade, Floor Insulation, Roofing, EIFS, Structural Insulated Panels (SIP), Precast Floor & Wall Panels

Why choose SuperForm EPS+

EPS+ vs. XPS Comparison

EPS+	XPS
Cell Structure: Manufactured from expanded polystyrene resin using a pentane blowing agent. This creates an air-filled, closed cell foam.	**Cell Structure:** Manufactured using polystyrene, blowing agents, and dyes. This creates a closed cell foam that often contains hydrofluorocarbons (HFCs).
R–Value Stability: Provides a stable R-value that does not deteriorate over time.	**R–Value Stability:** Less stable and the R-value deteriorates as gasses escape its cells.
Long Term R Value: **LTTR does not apply to EPS+**, because it is not manufactured with the intent to retain blowing agent and due to its closed cell nature, there is no reduction in R value over time.	**Long Term R Value:** XPS uses a blowing agent when manufactured, thus it leaks over time reducing the R-value by 10% in 5 years, **resulting in a R-value of 4.5, which is just below the R-value of EPS+.**
Compressive Strength: Available in 10, 16, 20, 25, 30, 40, and 60 psi.	**Compressive Strength:** Available in 15, 25, 30, 40, 60, and 100 psi.
Cost: Impressive cost per R-value and compressive strength. As a result, EPS+ is a dependable, cost-efficient insulation solution.	**Cost:** A much higher cost per R-value than EPS+. Additionally, its R-value is less stable and deteriorates over time.
Water Absorption: EPS+ absorbs more water initially but retains less water long term. Designed to quickly release moisture. This enables it to dry quickly and maintain its R-value over time. **15 years study shows 5% water absorption, 94% R-value retention.**	**Water Absorption:** XPS absorbs less water initially, but retains more water long term. Often traps moisture due to its low drying potential. Its inability to release moisture causes its R-value to deteriorate over time. **15 Year study shows 19% water absorption, 52% R-value retention.**
Water Resistance: Closed cell polystyrene insulation that is resistant to moisture gain, proven to resist moisture in both short (24 hour) and long-term tests.	**Water Resistance:** Closed cell polystyrene insulation that is resistant to moisture gain. However, its ability to resist moisture has only been proven in short-term (24 hour) tests.
Vapor Permeance: Ranges from 2.5 – 5.0 ng/Pa·s·m2 per inch thick. **It is more breathable and dry's better in wet climates.**	**Vapor Permeance:** Typically 1.5 ng/Pa·s·m2 per inch thick. **Is not breathable and has high potential of trapping moisture in your wall due to its low drying capability.**
Environmental Impact: Low impact on the environment. Its manufacturing process uses a pentane blowing agent instead of the hydrofluorocarbons (HFCs) blowing agents typically used to produce XPS. **EPS+ has the lowest carbon footprint of all rigid insulation, up to 57 times lower.**	**Environmental Impact:** High impact on the environment. Its use of hydrofluorocarbons (HFCs) as a blowing agent cause a very high global warming potential (GWP). It also uses harmful color dyes not found in EPS+. **Results in a carbon footprint of up to 33-57 times higher then EPS+.**
Standard Compliance: Meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.	**Standard Compliance:** : Meets CAN/ ULC S701 and ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
Dimensional Availability: Options to suit every application - standard sizes or custom cuts to suit your needs.	**Dimensional Availability:** Limited thickness and size options.

Quick Guides

Strength/R-Value Quick Guide | *Based on 1.0625" thickness

SuperForm Product	Compressive Strength (psi)	R-Value/Inch² (75° F)
SuperForm MAX+10	10	5
SuperForm MAX+16	16	5
SuperForm MAX+20	20	5
SuperForm MAX+25	25	5
SuperForm MAX+30	30	5

MAX+ vs. XPS Quick Guide | [1]Based on 1.0625" thickness | [2]Nominal | [3]Projected long-term R-value

Description	MAX+10	MAX+16	XPS X	MAX+20	MAX+25	XPS IV	MAX+30	XPS IV
Compressive Strength (psi)	**10**	**16**	15	**20**	**25**	25	**30**	30
Density (lbs/ft³)	**0.9**	**1.35**	1.3	**1.45**	**1.8**	1.45	**2**	1.55
R-Value/Inch (°F.ft² .h/Btu)	**5**	**5**	5	**5**	**5**	5	**5**	5

MAX+

Made of Neopor® provided by BASF

GREENGUARD

Strength/R-Value Quick Guide | *Based on 1.0625" thickness

SuperForm Product	Compressive Strength (psi)	R-Value/Inch² (75° F)
SuperForm EPS+10	10	3.75
SuperForm EPS+16	16	4.04
SuperForm EPS+20	20	4.27
SuperForm EPS+25	25	4.3
SuperForm EPS+30	30	4.3
SuperForm EPS+40	40	4.3
SuperForm EPS+60	60	4.3

EPS+ vs. XPS Quick Guide | [1]Based on R-value at 75° F | [2]Nominal | [3]Projected long-term R-value

Description	EPS+10	EPS+16	XPS X	EPS+20	EPS+40	XPS VI	EPS+60	XPS VII
Compressive Strength (psi)	**10**	**16**	15	**20**	**40**	40	**60**	60
Density (lbs/ft³)	**0.9**	**1.35**	1.3	**1.45**	**2.5**	1.8	**3**	2.2
R-Value/Inch (°F.ft² .h/Btu)	**3.75**	**4.04**	5	**4.27**	**4.3**	5	**4.3**	5

EPS+

SuperForm™

T 877.627.3555
F 403.627.3553
E info@superformicf.com

Box 2696, 1065 Willow Street
Pincher Creek, AB T0K 1W0

superformicf.com

Follow Us On

YouTube