SuperFormInsulation

Building a better future.

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Quick Guides

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

SuperForm Product	Compressive Strength (psi)	R-Value/Inch ² (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 | 1Based on 1.0625" thickness | 2Nominal | 3Projected 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.ft ² .h/Btu)	5	5	5	5	5	5	5	5



Strength/R-Value Quick Guide	e	*Based on 1.0625" thickness
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SuperForm Product	Compressive Strength (psi)	R-Value/Inch² (75° F)
EPS+10	10	3.75
SuperForm. EPS+16	16	4.04
SuperForm- EPS+20	20	4.27
SuperForm. EPS+25	25	4.3
EPS+30	30	4.3
SuperForm. EPS+40	40	4.3
EPS+ 60	60	4.3

EPS+ vs. XPS Quick Guide | ¹Based on R-value at 75° F | ²Nominal | ³Projected 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.ft ² .h/Btu)	3.75	4.04	5	4.27	4.3	5	4.3	5





SuperForm MAX+ is one option available from SuperForm Products. It 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+.

Cost Effective

• Impressive cost savings per R-value and Compressive Strength

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.

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 – standard sizes or custom cut to your needs.

User Friendly

• MAX+ is light in weight and very easy to cut and install.



SuperForm EPS+ is another option available from SuperForm Products. It 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 environmental impact.

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Stable R-Value

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SuperForm Insulation is the choice for every below grade application. Insulating your projects with EPS+ or MAX+ provides continuous insulation, eliminating thermal bridging, increasing your total effective R-value, creating a comfortable space and increasing energy savings. Perimeter and foundation slab accounts for up to 25% of a building's heat loss, making it a critical component of an energy-efficient building envelope.



Product types: EPS+ 16, 20, 25, 30, 40, 60, MAX+ 16, 20, 25, 30



SuperForm Insulation is ideal for both residential and commercial projects. It is light-weight, energy efficient, and delivers endless design options. Our Insulation provides a breathable thermal layer easily affixed to the substrate with an adhesive or mechanical fastener. Its closed, air-filled cell structure is designed to resist and quickly release moisture, helping it retain its R-value over time.

Product types: EPS+ 10, 16, 20, 25, 30, 40, 60, MAX+ 10, 16, 20, 25, 30

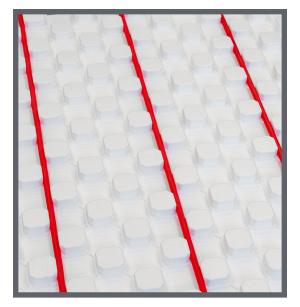




The SuperPex Panel is a hydronic floor panel made of high-density expanded polystyrene for insulating residential and commercial buildings. The SuperPex Panel has unique mushroom-shaped pucks that lock the PEX tubing firmly in place. To maximize performance and ensure a premium installation experience, our puck is engineered with precision to the perfect height, width, and shape.

Product types: EPS+ 16, 25, 30, 40, MAX+ 16, 25, 30







SuperForm EIFS+ is an expanded polystyrene insulation board designed to optimize the performance of exterior insulation finish systems (EIFS). It is ideal for residential and commercial projects as it is lightweight, energy-efficient, and offers endless design options. EIFS+ provides a breathable thermal layer easily affixed to the substrate with an adhesive or mechanical fastener.



Product types: EPS+ 10, MAX+ 10



SuperForm Insulation is a durable insulation ideal for precast concrete wall and floor panels. EPS+ or MAX+ is a lightweight, cost-effective insulation solution that optimizes energy-efficiency. Additionally, it is designed to resist and quickly release moisture which helps maintain the R-value of precast concrete panels.

Product types: EPS+ 16, MAX+ 16







SuperForm Insulation is a rigid foam insulation that is your answer for structural insulated panels (SIPs). Structural insulated panels often consist of an expanded polystyrene (EPS) foam core that is laminated between two sheets of oriented strand board (OSB). These panels are typically used for wall and roof applications due to their high energy-efficiency and superior structural properties.

Product types: EPS+ 10, MAX+ 10





Frost Impact Board is an efficient solution designed to protect concrete against frost heave or any ground swell that may stress or damage foundations. Its stable R-value and low moisture absorption properties while quickly releasing moisture make Frost Impact Board ideal for below concrete.

Product types: EPS+ 10, MAX+ 10





SuperVoid is engineered to support wet concrete and protect the slab by creating a space between the slab and soil, then collapse over time from underlying soil forces without putting added pressure on the slab.

Product types: EPS+ 10, 16, MAX+ 10, 16











SuperForm Insulation provides an inexpensive, energy-efficient flat roof insulation known for its stable R-value, moisture resistance, and high compressive strength. This lightweight, unfaced expanded polystyrene insulation is perfect for built-up, single-ply, and modified bitumen roof systems. Architects and builders consistently select EPS+ based on its reputation as a high-quality roofing system insulation.





Product types: EPS+ 10, 16, 20, MAX+ 10, 16, 20



SuperForm manufactures EPS+ and MAX+ billets for customers who want to cut their own foam onsite.

Product types: EPS+ 10, 16, 20, 25, 30, 40, 60, MAX+ 10, 16, 20, 25, 30







Our Insulation billets can be cut into almost any shape. From decorative designs to shiplap edges, we have got you covered. We cut within 1/16th accuracy, giving you nearly perfect cuts to match your needs. Our stable R-value, moisture-resistant, lightweight EPS makes your choice easy due to our innovative yet simple method.

Product types: EPS+ 10, 16, 20, 25, 30, 40, 60, MAX+ 10, 16, 20, 25, 30



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 five years, resulting in an 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 ps
Cost: Impressive cost per R-value and compressive strength. MAX+ is a dependable, cost-efficient solution that, on average, costs 10-30% less than XPS.	Cost: A much higher cost per R-value and, on average, costs 10-30% 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. Fifteen years of study show 5% water absorption and 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. Fifteen Years of study show 19% water absorption and 52% R-value retention.
Water Resistance: Closed-cell polystyrene insulation 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 dries better in wet climates.	Vapor Permeance: Typically 1.5 ng/Pasm2 per inch thick. It is not breathable and has a 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 Guard 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 causes a very high global warming potential (GWP). It also uses harmful colour dyes not found in MAX+. Results in a carbon footprint of up to 33-57 times higher than 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.



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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 an 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.
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Product Type **EPS+** 10, 16, 20, 25 | **Max+** 10, 16, 20, 25

1"	1.5"	2"	2.5"
26 pcs/bag	17 pcs/bag	13 pcs/bag	10 pcs/bag
4 bags high	4 bags high	4 bags high	4 bags high
104 pcs/skid	68 pcs/skid	52 pcs/skid	40 pcs/skid
1352 pcs/trailer	884 pcs/trailer	676 pcs/trailer	520 pcs/trailer
2.75"	3"	3.5"	4"
9 pcs/bag	8 pcs/bag	7 pcs/bag	6 pcs/bag
4 bags high	4 bags high	4 bags high	4 bags high
36 pcs/skid	32 pcs/skid	28 pcs/skid	24 pcs/skid
468 pcs/trailer	416 pcs/trailer	364 pcs/trailer	312 pcs/trailer
5"	5.5"	6"	7"
5 pcs/bag	4 pcs/bag	4 pcs/bag	3 pcs/bag
4 bags high	4 bags high	4 bags high	4 bags high
20 pcs/skid	16 pcs/skid	16 pcs/skid	12 pcs/skid
260 pcs/trailer	206 pcs/trailer	208 pcs/trailer	156 pcs/trailer

All product sizes divisible by 26" bag height/calculation based on 13 skids of 4x8 sheets per 53' van trailer

Product Type **EPS+** 30, 40, 60 **Max+** 30

1"	1.5"	2"	2.5"
20 pcs/bag	12 pcs/bag	10 pcs/bag	7 pcs/bag
5 bags high	5 bags high	5 bags high	5 bags high
100 pcs/skid	60 pcs/skid	50 pcs/skid	35 pcs/skid
1300 pcs/trailer	780 pcs/trailer	650 pcs/trailer	455 pcs/trailer
2.75"	3"	3.5"	4"
7 pcs/bag	7 pcs/bag	5 pcs/bag	5 pcs/bag
5 bags high	5 bags high	5 bags high	5 bags high
35 pcs/skid	35 pcs/skid	25 pcs/skid	25 pcs/skid
455 pcs/trailer	455 pcs/trailer	325 pcs/trailer	325 pcs/trailer
5"	5.5"	6"	7"
4 pcs/bag	3 pcs/bag	3 pcs/bag	3 pcs/bag
5 bags high	5 bags high	5 bags high	5 bags high
20 pcs/skid	15 pcs/skid	15 pcs/skid	15 pcs/skid
260 pcs/trailer	195 pcs/trailer	195 pcs/trailer	195 pcs/trailer

All product sizes divisible by 20" bag height/calculation based on 13 skids of 4x8 sheets per 53' van trailer

Product Weights

EPS+ 10 2"x4'x8' - 5.31 lbs	EPS+ 10 Billet - 90 lbs	EPS+ 10 Full Billet - 180 lbs
EPS+ 16 2"x4'x8' - 7.49 lbs	EPS+ 16 Billet - 128 lbs	EPS+ 16 Full Billet - 255 lbs
EPS+ 20 2"x4'x8' - 9.86 lbs	EPS+ 20 Billet - 169 lbs	EPS+ 20 Full Billet - 337 lbs
EPS+ 25 2"x4'x8' - 9.86 lbs	EPS+ 25 Billet - 169 lbs	EPS+ 25 Full Billet - 337 lbs
EPS+ 30 2"x4'x8' - 10.94 lbs	EPS+ 30 Billet - 187 lbs	EPS+ 30 Full Billet - 374 lbs
EPS+ 40 2"x4'x8' - 13.06 lbs	EPS+ 40 Billet - 223 lbs	EPS+ 40 Full Billet - 446 lbs
EPS+ 60 2"x4'x8' - 16.26 lbs	EPS+ 60 Billet - 319 lbs	EPS+ 60 Full Billet - 637 lbs

MAX+10 2"x4'x8' - 5.32 lbs	MAX+ 10 Billet - 90 lbs	MAX+ 10 Full Billet - 175 lbs
MAX+16 2"x4'x8' - 7.49 lbs	MAX+ 16 Billet - 128 lbs	MAX+ 10 Full Billet - 256 lbs
MAX+20 2"x4'x8' - 9.86 lbs	MAX+ 20 Billet - 169 lbs	MAX+ 20 Full Billet - 337 lbs
MAX+25 2"x4"x8" - 9.86 lbs	MAX+ 25 Billet - 169 lbs	MAX+ 25 Full Billet - 337 lbs
MAX+30 2"x4'x8' - 10.94 lbs	MAX+ 30 Billet - 187 lbs	MAX+ 30 Full Billet - 374 lbs



All product sizes divisible by 27" bag height/calculation based on 13 skids of 4x8 sheets per 53' van trailer

4"x4'x8' Frost Impact - 5.44 lbs

6"x4'x8' Frost Impact - 8.32 lbs

Product Type	SuperVoid
	4"
	4' x 4' 10 pcs/bag 4 bags high 40 pcs/skid 1040 pcs/trailer

All product sizes divisible by 27" bag height/calculation based on 26 skids of 4x4 sheets per 53' van trailer

4" SuperVoid 4'x4' - 2.79 lbs 6" SuperVoid 4'x4' - 4.04 lbs

Hydro Panels

Product Type

1.5"2"3.25"10 pcs/bag9 pcs/bag8 pcs/bag4 bags high4 bags high4 bags high40 pcs/skid36 pcs/skid32 pcs/skid1040 pcs/trailer936 pcs/trailer832 pcs/trailer

All product sizes divisible by 26" bag height/calculation based on 26 skids of 4x4 sheets per 53' van trailer

1.5"x4"x4" Hydro Panel - 2.4 lbs	2"x4'x4' Hydro Panel - 3.2 lbs	3"x4'x4' Hydro Panel - 3.28 lbs
3.25"x4'x4' Hydro Panel - 4.64 lbs	4"x4'x4' Hydro Panel - 5.71 lbs	

Product Type EIFS+			
1"	1.5"	2"	3"
18 pcs/bag	12 pcs/bag	9 pcs/bag	6 pcs/bag
5 bags high	5 bags high	5 bags high	5 bags high
180 pcs/skid	120 pcs/skid	90 pcs/skid	60 pcs/skid
4680 pcs/trailer	3120 pcs/trailer	2340 pcs/trailer	1560 pcs/trailer

All product sizes divisible by a 20" bag height/calculation based on 26 skids of 2 stacks/skid of a 2'x4' pieces per 53' van trailer

1"x2'x4' EIFS+ Board - 0.6 lbs	1.5"x2'x4' EIFS+ Board - 0.9 lbs	2"x2'x4' EIFS+ Board - 1.2 lbs
3"x2'x4' EIFS+ Board - 1.8 lbs		





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