

Styrobar®

PLATINUM
ADVANCED GPS TECHNOLOGY

POWERED BY
R-5 GPS
TECHNOLOGY!

Made of
Neopor®
by BASF

Introducing Styrobar® Platinum – a premium, construction-grade rigid insulation that delivers higher long-term R-value and more value for the money than regular XPS insulation!

High performance Styrobar® Platinum is powered by graphite enhanced polystyrene (GPS). Distinguished by its distinctive silver/grey colour, GPS is comprised of many small pockets of air within a polymer matrix containing graphite. The graphite reflects radiant heat energy like a mirror and increases the GPS's resistance to the flow of heat (or R-value) by up to 20% when compared to conventional EPS.

STYROBAR® PLATINUM = PLATINUM PERFORMANCE

- **Delivers R-5 per nominal inch*** in both low and medium density applications. Its higher R-value means a thinner profile, which also means lower freight and installation costs.
- **Eliminates all thermal bridging** and also powers up when it gets colder, delivering even more R-value.
- **Resistant to aging and decay**, delivers the highest true R-value performance with no loss of R-value over time. It also offers high resistance to normal soil moisture.
- **Breathable and semi-permeable**, this high performance insulation reduces the risk of mould, rot and structural damage often associated with condensation and long-term water retention. It's also GREENGUARD certified for superior indoor air quality.
- **Manufactured locally** and uses up to 30% less foam than other insulations, which means a smaller carbon footprint and a contribution to LEED certification.



www.AMCFoam.com

STYROBAR® PLATINUM TECHNICAL PROPERTIES

Table 1: Physical Properties per CAN/ULC S701²

Type	Styrobar Platinum 100	Styrobar Platinum 160	Styrobar Platinum 200	Styrobar Platinum 250	Styrobar Platinum 300
¹ Thermal Resistance Min., m ² CW (ASTM C518)	0.88	0.88	0.88	0.88	0.88
Water Vapour Permeance Max. at 25 mm Thickness, ng/Pa.s.m ² (ASTM E96)	300	200	130	130	130
Compressive Strength Min. at 10% deformation, kPa (ASTM D1621)	70	110	140	170	210
Flexural Resistance Min, kPa (ASTM C203)	170	240	300	300	300
Water Absorption Max by Volume, % (ASTM C272)	6	4	2	2	2
Dimensional Stability Max, % (ASTM D2126)	1.5	1.5	1.5	1.5	1.5
Limiting Oxygen Index Min, % (ASTM D2863)	24	24	24	24	24

1. Based on tested values at 27 mm (1.06").
2. Based on independent testing by QAL.

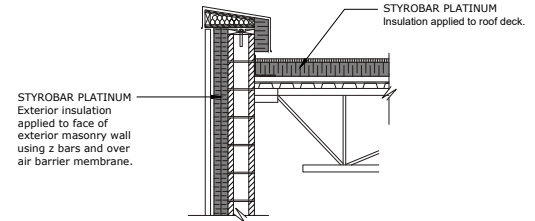
Table 2: Physical Properties per ASTM C578²

Type	Styrobar Platinum 100	Styrobar Platinum 160	Styrobar Platinum 200	Styrobar Platinum 250	Styrobar Platinum 300
¹ Thermal Resistance Min., F.ft ² /Btu (ASTM D2863)	VIII	II	IX	IX	IX
Water Vapour Permeance Max. at 1in Thickness, perms (ASTM E96)	3.5	3.5	2.5	2.5	2.5
Compressive Strength Min. at 10% deformation, psi (ASTM D1621)	10	16	20	25	30
Flexural Resistance Min, psi (ASTM C203)	30	35	50	50	50
Water Absorption Max by Volume, % (ASTM C272)	3	3	2	2	2
Dimensional Stability Max, % (ASTM D2126)	2	2	2	2	2
Limiting Oxygen Index Min, % (ASTM D2863)	24	24	24	24	24
Density Min., lbs/ft ³	1.15	1.35	1.80	2.40	2.40

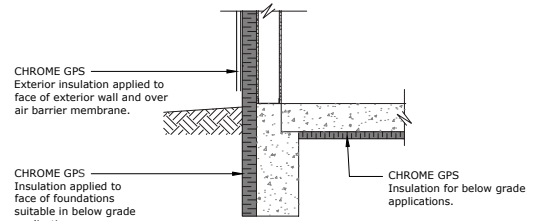
1. Based on tested values at 1.06".
2. Based on independent testing by UL.

Table 3: Surface Burning Characteristics

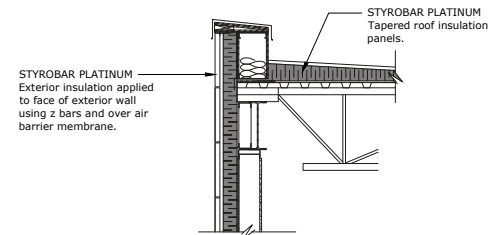
	Flame Spread Index Max.	Smoke Developed Index Max.	Thickness Max.	Density
ASTM E84	5	25	5 in.	2.0 pcf
CAN/ULC S102.2	230	> 500	102 mm	32 kg/m ³



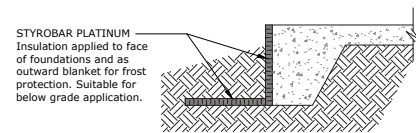
Wall & Roof Insulation
Masonry Insulation



Foundation Insulation
Below Grade Insulation



Wall & Roof Insulation
Steel Stud / Wood Frame Insulation



Slab Thickening Detail
Frost Protection Insulation

AVAILABLE PANEL SIZES & THICKNESSES

Standard Sizes: 2' x 8' (610 mm x 2440 mm), 4' x 8' (1220 mm x 2440 mm)

Standard Thicknesses: 1" (25 mm), 1.5" (38 mm), 2" (50 mm), 3" (75 mm), 4" (100 mm)

Custom dimensions, thicknesses and profiles available upon request.

INSTALLATION RECOMMENDATIONS

Please refer to the appropriate Styrobar Platinum installation guidelines for recommended installation procedures, available at www.AMCfoam.com or by asking your local representative.

CAUTION:
PROTECT FROM FIRE & HEAT

Styrobar® Platinum is self-extinguishing, however, it must be protected from open flame and excessive heat. Solar energy compounded by external reflective surfaces can create excessive heat build-up within insulation products made from GPS Neopor foam, as well as produce minor surface deformation. Protect from concentrated reflected sunlight or prolonged solar exposure.



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