

STYROFOAM™ Brand Foam Products

STYROFOAM™ Brand Square Edge Insulation Extruded Polystyrene is a Type IV product with square edges on four sides to help ensure energy efficiency and minimize on-site cutting and waste. It offers superior water resistance, long-term thermal performance and high compressive strength in a wide range of residential and commercial construction applications.

Nominal Board Thickness ⁽¹⁾ , in	R-Value ⁽²⁾	Board Size, ft	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi
.75	3.8	2 x 8 / 4 x 8	Square Edge	25
1.0	5.0	2 x 8 / 4 x 8	Square Edge	25
1.5	7.5	2 x 8 / 4 x 8	Square Edge	25
2.0	10.0	2 x 8 / 4 x 8	Square Edge	25
2.5	12.5	2 x 8 / 4 x 8	Square Edge	25
3.0	15	2 x 8 / 4 x 8	Square Edge	25



STYROFOAM™ Brand HIGHLOAD 40 Insulation has a minimum compressive strength of 40 psi (275 kPa). The Type VI extruded polystyrene foam insulation resists compressive creep and fatigue, delivering long-term compressive strength and thermal performance in high-load applications.

Nominal Board Thickness ⁽¹⁾ , in	R-Value ⁽²⁾	Board Size, ft	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi
2.0	10.0	2 x 8 / 4 x 8	Square Edge	40
3.0	15.0	2 x 8 / 4 x 8	Square Edge	40



STYROFOAM™ Brand HIGHLOAD 60 Insulation has a minimum compressive strength of 60 psi (415 kPa). The Type VII extruded polystyrene foam insulation resists compressive creep and fatigue, delivering long-term compressive strength and thermal performance in high-load applications.

Nominal Board Thickness ⁽¹⁾ , in	R-Value ⁽²⁾	Board Size, ft	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi
2.0	10.0	2 x 8	Square Edge	60
3.0	15.0	2 x 8	Square Edge	60



STYROFOAM™ Brand HIGHLOAD 100 Insulation has a minimum compressive strength of 100 psi (690 kPa). The Type V extruded polystyrene foam insulation resists compressive creep and fatigue, delivering long-term compressive strength and thermal performance in high-load applications.

Nominal Board Thickness ⁽¹⁾ , in	R-Value ⁽²⁾	Board Size, ft	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi
2.0	10.0	2 x 8	Square Edge	100



STYROFOAM™ Brand DECKMATE™ Plus Insulation is a Type IV extruded polystyrene foam product designed for use on conventional roofs beneath mechanically fastened, fully adhered or ballasted sheet membranes. It can be used on built-up, modified bituminous and metal roofs, and installed directly on a steel deck without the use of a thermal barrier such as gypsum board.

Board Thickness ⁽¹⁾ , in (mm)	R-Value ⁽²⁾ (RSI)	Board Size, ft (mm)	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi (kPa)
1.0 (25)	5.0 (.87)	2 x 8 (600 x 2400)	Shiplap	16 (110)
1.5 (40)	7.5 (1.32)	2 x 8 (600 x	Shiplap	16 (110)

		2400)		
2.0 (50)	10 (1.76)	2 x 8 (600 x 2400)	Shiplap	16 (110)
2.5 (65)	12.5 (2.2)	2 x 8 (600 x 2400)	Shiplap	16 (110)
3.0 (75)	15.0 (2.64)	2 x 8 (600 x 2400)	Shiplap	16 (110)
4.0 (100)	20 (3.52)	2 x 8 (600 x 2400)	Shiplap	16 (110)



STYROFOAM™ Brand PLAZAMATE™ Insulation, with 1/2" x 1/4" drainage channels on the bottom long edge, is a Type VII extruded polystyrene foam insulation designed for installation above waterproofing or roofing membranes in plaza roof decks.

The Type VII insulation helps extend the life of plaza or roof by providing protection from ultraviolet deterioration. It helps the roof membrane maintain a steady temperature, minimizing the harmful effects of freeze-thaw cycles, weathering and physical damage during and after construction.

Nominal Board Thickness ⁽¹⁾ , in	R-Value ⁽²⁾	Board Size, ft	Edge Treatment	Min Compressive Strength ⁽³⁾ , psi
1.5	7.5	2 x 8	Square Edge	60
2.0	10.0	2 x 8	Square Edge	60
3.0	15.0	2 x 8	Square Edge	60

