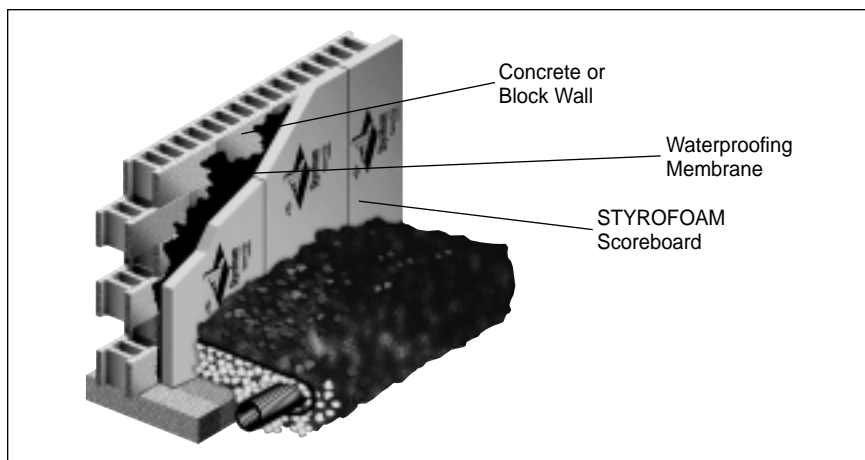




# STYROFOAM Brand Scoreboard

## Scoreboard Insulation

STYROFOAM\* Brand Scoreboard Insulation is a closed cell extruded polystyrene foam designed for use in roof, wall and foundation insulation applications. The 48" x 96" boards are scored in the long dimension on 16" and 24" centers. By breaking a 48" x 96" board along the score marks, it is easily converted to two 24" x 96" or three 16" x 96" boards on the job site.



## Physical Properties

Property	Value	ASTM Method
Thermal Resistance, Aged R-Value per in. @ 75°F Mean Temperature (1)	5.0 °F•ft <sup>2</sup> •h/Btu	C 518
Compressive Strength, min. (2)	25 lb/in. <sup>2</sup>	D 1621
Flexural Strength, min.	50 lb/in. <sup>2</sup>	C 203
Water Absorption, max.	0.1 % by vol.	C 272
Water Vapor Permeance (3)	1.1 perms	E 96
Dimensional Stability, max. (% linear change)	2.0	D 2126
Coefficient of Linear Thermal Expansion	3.5x10 <sup>-5</sup> in./in.°F	—
Complies with ASTM C 578 Type	IV	—
Maximum Use Temperature	165°F	—
Flame Spread (4)	5	E 84
Smoke Development (4)	165	E 84

### Notes

- (1) Values are consistent with the criteria of ASTM C 578 and the requirements of the FTC R-value rule (16 CFR Part 460). *R* means resistance to heat flow. The higher the R-value, the greater the insulating power is. Ask your seller for the fact sheet on R-value.
- (2) Vertical compressive strength is measured at 10% deformation or at yield, whichever occurs first. Since STYROFOAM brand insulations are visco-elastic materials, adequate design safety factors should be used to prevent long-term creep. For static loads, 3:1 is suggested. For dynamic loads, 5:1 is suggested.
- (3) Water vapor permeance values at 1" thickness.
- (4) This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

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COMBUSTIBLE: Protect from flame and other high heat sources. For more information, consult MSDS and/or call Dow (1-800-441-4369). In an emergency, call (1-989-636-4400). Local building codes may require a protective or thermal barrier. Contact your local building inspector for more information.

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