


THICKNESS SELECTOR



R-SHIELD®

Foam-Control R-SHIELD® rigid board insulation is used for a wide range of construction applications. A key advantage of Foam-Control R-SHIELD is the ability to manufacture the product to meet your R-value and thickness requirements.

The table below provides the Foam-Control R-SHIELD thickness required to meet standard R-5, R-7.5, R-10, or R-15 R-value specifications.

 R-SHIELD® Thickness Selector¹						
Temperature	R-value	Unit	100	130	150	250
75°F	R-5	in (mm)	1 ⁵ / ₁₆ (33)	1 ⁵ / ₁₆ (33)	1 ¹ / ₄ (32)	1 ³ / ₁₆ (30)
	R-7.5	in (mm)	2 (51)	1 ¹⁵ / ₁₆ (49)	1 ¹³ / ₁₆ (46)	1 ³ / ₄ (44)
	R-10	in (mm)	2 ⁵ / ₈ (67)	2 ⁹ / ₁₆ (65)	2 ⁷ / ₁₆ (62)	2 ⁵ / ₁₆ (59)
	R-15	in (mm)	3 ¹⁵ / ₁₆ (100)	3 ⁷ / ₈ (98)	3 ⁵ / ₈ (92)	3 ¹ / ₂ (89)
40°F	R-5	in (mm)	1 ¹³ / ₁₆ (46)	1 ¹³ / ₁₆ (46)	1 ¹ / ₈ (29)	1 ¹ / ₁₆ (27)
	R-7.5	in (mm)	2 ⁷ / ₁₆ (62)	2 ⁷ / ₁₆ (62)	1 ¹¹ / ₁₆ (43)	1 ⁵ / ₈ (41)
	R-10	in (mm)	3 (76)	3 (76)	2 ¹ / ₄ (57)	2 ¹ / ₈ (54)
	R-15	in (mm)	4 ⁷ / ₁₆ (113)	4 ¹ / ₄ (108)	3 ⁵ / ₁₆ (84)	3 ³ / ₁₆ (81)

¹ The use of the thickness selector at 75°F is required for compliance with IECC and ASHRAE requirements. The use of the thickness selector at 40°F is provided for consideration by design professionals for cold climate applications.

Foam-Control R-SHIELD is available in custom thicknesses. Please contact your Foam-Control supplier for the thickness required to meet other R-value specifications. Please refer to Foam-Control R-SHIELD TechData for additional property and performance information.

