






# THICKNESS & R-VALUE


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

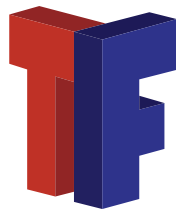
THICKNESS @ 75°F					
		100	130	150	250
<b>R-5</b> (RSI 0.88)	in (mm)	1 <sup>5</sup> / <sub>16</sub> (33)	1 <sup>5</sup> / <sub>16</sub> (33)	1 <sup>3</sup> / <sub>16</sub> (30)	1 <sup>1</sup> / <sub>8</sub> (29)
<b>R-7.5</b> (RSI 1.32)	in (mm)	2 (51)	2 (51)	1 <sup>13</sup> / <sub>16</sub> (46)	1 <sup>11</sup> / <sub>16</sub> (43)
<b>R-10</b> (RSI 1.76)	in (mm)	2 <sup>5</sup> / <sub>8</sub> (67)	2 <sup>5</sup> / <sub>8</sub> (67)	2 <sup>3</sup> / <sub>8</sub> (60)	2 <sup>1</sup> / <sub>4</sub> (57)
<b>R-15</b> (RSI 2.64)	in (mm)	3 <sup>15</sup> / <sub>16</sub> (100)	3 <sup>15</sup> / <sub>16</sub> (100)	3 <sup>9</sup> / <sub>16</sub> (90)	3 <sup>3</sup> / <sub>8</sub> (86)

R-VALUE @ 75°F					
		100	130	150	250
<b>3/4 in</b> (19mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	2.9 (0.52)	2.9 (0.52)	3.2 (0.55)	3.3 (0.58)
<b>1 in</b> (25mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.9 (0.69)	3.9 (0.69)	4.2 (0.74)	4.4 (0.77)
<b>1-1/2 in</b> (38mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	5.9 (1.03)	5.9 (1.03)	6.3 (1.11)	6.6 (1.16)
<b>2 in</b> (51mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	7.8 (1.37)	7.8 (1.37)	8.4 (1.48)	8.8 (1.55)
<b>2-1/2 in</b> (63mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	9.8 (1.72)	9.8 (1.72)	10.5 (1.85)	11.0 (1.94)
<b>3 in</b> (76mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	11.7 (2.06)	11.7 (2.06)	12.6 (2.22)	13.2 (2.32)
<b>4 in</b> (102mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	15.6 (2.75)	15.6 (2.75)	16.8 (2.96)	17.6 (3.10)

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

THICKNESS @ 40°F					
		100	130	150	250
<b>R-5</b> (RSI 0.88)	in (mm)	1 <sup>3</sup> / <sub>16</sub> (30)	1 <sup>3</sup> / <sub>16</sub> (30)	1 <sup>1</sup> / <sub>8</sub> (29)	1 <sup>1</sup> / <sub>16</sub> (27)
<b>R-7.5</b> (RSI 1.32)	in (mm)	1 <sup>13</sup> / <sub>16</sub> (46)	1 <sup>13</sup> / <sub>16</sub> (46)	1 <sup>11</sup> / <sub>16</sub> (43)	1 <sup>9</sup> / <sub>16</sub> (40)
<b>R-10</b> (RSI 1.76)	in (mm)	2 <sup>3</sup> / <sub>8</sub> (60)	2 <sup>3</sup> / <sub>8</sub> (60)	2 <sup>1</sup> / <sub>4</sub> (57)	2 <sup>1</sup> / <sub>8</sub> (54)
<b>R-15</b> (RSI 2.64)	in (mm)	3 <sup>9</sup> / <sub>16</sub> (90)	3 <sup>9</sup> / <sub>16</sub> (90)	3 <sup>3</sup> / <sub>8</sub> (86)	3 <sup>3</sup> / <sub>16</sub> (81)

R-VALUE @ 40°F					
		100	130	150	250
<b>3/4 in</b> (19mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	3.2 (0.55)	3.2 (0.57)	3.5 (0.61)	3.6 (0.63)
<b>1 in</b> (25mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	4.2 (0.74)	4.3 (0.76)	4.6 (0.81)	4.8 (0.85)
<b>1-1/2 in</b> (38mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	6.3 (1.11)	6.5 (1.14)	6.9 (1.22)	7.2 (1.27)
<b>2 in</b> (51mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	8.4 (1.48)	8.6 (1.51)	9.2 (1.62)	9.6 (1.69)
<b>2-1/2 in</b> (63mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	10.5 (1.85)	10.8 (1.89)	11.5 (2.03)	12.0 (2.11)
<b>3 in</b> (76mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	12.6 (2.22)	12.9 (2.27)	13.8 (2.43)	14.4 (2.54)
<b>4 in</b> (102mm)	°F·ft <sup>2</sup> ·h/Btu (°K·m <sup>2</sup> /W)	16.8 (2.96)	17.2 (3.03)	18.4 (3.24)	19.2 (3.38)



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