



PowerFoam R-Control molded polystyrene insulation is used for a wide range of construction applications. PowerFoam R-Control insulation is available in a range of standard R-values and standard thicknesses to meet all your application requirements.

| THICKNESS @ 75°F | | | | | | | |
|----------------------------|------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| POWERFOAM R-CONTROL | | 100 | 130 | 150 | 250 | 400 | 600 |
| R-5 (RSI 0.88) | in (mm) | 1 5/16 (33) | 1 5/16 (33) | 1 3/16 (30) | 1 1/8 (29) | 1 1/8 (29) | 1 1/8 (29) |
| R-7.5 (RSI 1.32) | in (mm) | 2 (51) | 2 (51) | 1 13/16 (46) | 1 11/16 (43) | 1 11/16 (43) | 1 11/16 (43) |
| R-10 (RSI 1.76) | in (mm) | 2 5/8 (67) | 2 5/8 (67) | 2 3/8 (60) | 2 1/4 (57) | 2 1/4 (57) | 2 1/4 (57) |
| R-15 (RSI 2.64) | in (mm) | 3 15/16 (100) | 3 15/16 (100) | 3 9/16 (90) | 3 3/8 (86) | 3 3/8 (86) | 3 3/8 (86) |
| R-20 (RSI 3.52) | in (mm) | 5 1/4 (133) | 5 1/4 (133) | 4 3/4 (121) | 4 1/2 (114) | 4 1/2 (114) | 4 1/2 (114) |
| R-30 (RSI 5.28) | in (mm) | 7 7/8 (200) | 7 7/8 (200) | 7 1/8 (181) | 6 3/4 (171) | 6 3/4 (171) | 6 3/4 (171) |

| R-VALUE @ 75°F | | | | | | | |
|---------------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|
| POWERFOAM R-CONTROL | | 100 | 130 | 150 | 250 | 400 | 600 |
| 3/4 in (19mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 2.9 (0.52) | 2.9 (0.52) | 3.2 (0.55) | 3.3 (0.58) | 3.3 (0.58) | 3.4 (0.59) |
| 1 in (25mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 3.9 (0.69) | 3.9 (0.69) | 4.2 (0.74) | 4.4 (0.77) | 4.4 (0.77) | 4.5 (0.79) |
| 1-1/2 in (38mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 5.9 (1.03) | 5.9 (1.03) | 6.3 (1.11) | 6.6 (1.16) | 6.6 (1.16) | 6.8 (1.19) |
| 2 in (51mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 7.8 (1.37) | 7.8 (1.37) | 8.4 (1.48) | 8.8 (1.55) | 8.8 (1.55) | 9.0 (1.59) |
| 2-1/2 in (63mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 9.8 (1.72) | 9.8 (1.72) | 10.5 (1.85) | 11.0 (1.94) | 11.0 (1.94) | 11.3 (1.98) |
| 3 in (76mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 11.7 (2.06) | 11.7 (2.06) | 12.6 (2.22) | 13.2 (2.32) | 13.2 (2.32) | 13.5 (2.38) |
| 4 in (102mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 15.6 (2.75) | 15.6 (2.75) | 16.8 (2.96) | 17.6 (3.10) | 17.6 (3.10) | 18.0 (3.17) |
| 6 in (152mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 23.4 (4.12) | 23.4 (4.12) | 25.2 (4.44) | 26.4 (4.65) | 26.4 (4.65) | 27.0 (4.76) |
| 8 in (203mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 31.2 (5.49) | 31.2 (5.49) | 33.6 (5.92) | 35.2 (6.20) | 35.2 (6.20) | 36.0 (6.34) |

| THICKNESS @ 40°F | | | | | | | |
|---|------------|---|---|---|--|--|--|
|  | | 100 | 130 | 150 | 250 | 400 | 600 |
| R-5 (RSI 0.88) | in (mm) | 1 ³ / ₁₆ (30) | 1 ³ / ₁₆ (30) | 1 ¹ / ₈ (29) | 1 ¹ / ₁₆ (27) | 1 ¹ / ₁₆ (27) | 1 ¹ / ₁₆ (27) |
| R-7.5 (RSI 1.32) | in (mm) | 1 ¹³ / ₁₆ (46) | 1 ¹³ / ₁₆ (46) | 1 ¹¹ / ₁₆ (43) | 1 ⁹ / ₁₆ (40) | 1 ⁹ / ₁₆ (40) | 1 ⁹ / ₁₆ (40) |
| R-10 (RSI 1.76) | in (mm) | 2 ³ / ₈ (60) | 2 ³ / ₈ (60) | 2 ¹ / ₄ (57) | 2 ¹ / ₈ (54) | 2 ¹ / ₈ (54) | 2 ¹ / ₈ (54) |
| R-15 (RSI 2.64) | in (mm) | 3 ⁹ / ₁₆ (90) | 3 ⁹ / ₁₆ (90) | 3 ³ / ₈ (86) | 3 ³ / ₁₆ (81) | 3 ³ / ₁₆ (81) | 3 ³ / ₁₆ (81) |
| R-20 (RSI 3.52) | in (mm) | 4 ³ / ₄ (121) | 4 ³ / ₄ (121) | 4 ¹ / ₂ (114) | 4 ¹ / ₄ (108) | 4 ¹ / ₄ (108) | 4 ¹ / ₄ (108) |
| R-30 (RSI 5.28) | in (mm) | 7 ¹ / ₈ (181) | 7 ¹ / ₈ (181) | 6 ³ / ₄ (171) | 6 ³ / ₈ (162) | 6 ³ / ₈ (162) | 6 ³ / ₈ (162) |

| R-VALUE @ 40°F | | | | | | | |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|
|  | | 100 | 130 | 150 | 250 | 400 | 600 |
| 3/4 in (19mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 3.2 (0.55) | 3.2 (0.57) | 3.5 (0.61) | 3.6 (0.63) | 3.6 (0.63) | 3.7 (0.65) |
| 1 in (25mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 4.2 (0.74) | 4.3 (0.76) | 4.6 (0.81) | 4.8 (0.85) | 4.8 (0.85) | 4.9 (0.86) |
| 1-1/2 in (38mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 6.3 (1.11) | 6.5 (1.14) | 6.9 (1.22) | 7.2 (1.27) | 7.2 (1.27) | 7.4 (1.29) |
| 2 in (51mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 8.4 (1.48) | 8.6 (1.51) | 9.2 (1.62) | 9.6 (1.69) | 9.6 (1.69) | 9.8 (1.73) |
| 2-1/2 in (63mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 10.5 (1.85) | 10.8 (1.89) | 11.5 (2.03) | 12.0 (2.11) | 12.0 (2.11) | 12.3 (2.16) |
| 3 in (76mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 12.6 (2.22) | 12.9 (2.27) | 13.8 (2.43) | 14.4 (2.54) | 14.4 (2.54) | 14.7 (2.59) |
| 4 in (102mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 16.8 (2.96) | 17.2 (3.03) | 18.4 (3.24) | 19.2 (3.38) | 19.2 (3.38) | 19.6 (3.45) |
| 6 in (152mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 25.2 (4.44) | 25.8 (4.54) | 27.6 (4.86) | 28.8 (5.07) | 28.8 (5.07) | 29.4 (5.18) |
| 8 in (203mm) | °F·ft ² ·h/Btu (°K·m ² /W) | 33.6 (5.92) | 34.4 (6.06) | 36.8 (6.48) | 38.4 (6.76) | 38.4 (6.76) | 39.2 (6.90) |

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