

THICKNESS SELECTOR & R-VALUE

APPLICABLE TO MOLDED POLYSTYRENE PRODUCTS

ThermalStar molded polystyrene insulation is used for a wide range of construction applications. ThermalStar insulation is available in a range of standard R-values and standard thicknesses to meet all your application requirements. Manufactured under an industry leading quality control program monitored by UL and ICC-ES, ThermalStar insulation board meets or exceeds ASTM C578 Standards.

THICKNESS at 75°

ThermalStar <small>Insulation Board</small>	10	13	15	25	40	60
R-value per inch at 75° mean Temperature	3.9	3.9	4.2	4.4	4.4	4.5
R-5	1-5/16 in.	1-5/16 in.	1-3/16 in.	1-3/16 in.	1-3/16 in.	1-3/16 in.
R-7.5	2 in.					
R-10	2-9/16 in.	2-9/16 in.	2-3/8 in.	2-5/16 in.	2-5/16 in.	2-5/16 in.
R-15	4 in.	4 in.	3-9/16 in.	3-9/16 in.	3-9/16 in.	3-9/16 in.

R-VALUE at 75°

ThermalStar <small>Insulation Board</small>	10	13	15	25	40	60
R-value per inch at 75° mean Temperature	3.9	3.9	4.2	4.4	4.4	4.5
1/2 in. °F-ft ² -h/Btu	2.0	2.0	2.1	2.2	2.2	2.3
3/4 in. °F-ft ² -h/Btu	2.9	2.9	3.2	3.3	3.3	3.4
1 in. °F-ft ² -h/Btu	3.9	3.9	4.2	4.4	4.4	4.5
1-3/16 in. °F-ft ² -h/Btu	4.6	4.6	5.0	5.2	5.2	5.3
1-5/16 in. °F-ft ² -h/Btu	5.1	5.1	5.5	5.8	5.8	5.9
1-1/2 in. °F-ft ² -h/Btu	5.9	5.9	6.3	6.6	6.6	6.8
2 in. °F-ft ² -h/Btu	7.8	7.8	8.4	8.8	8.8	9.0
2-3/16 in. °F-ft ² -h/Btu	8.5	8.5	9.2	9.6	9.6	9.8
2-5/16 in. °F-ft ² -h/Btu	9.0	9.0	9.7	10.2	10.2	10.4
2-3/8 in. °F-ft ² -h/Btu	9.3	9.3	10.0	10.5	10.5	10.7
2-1/2 in. °F-ft ² -h/Btu	9.8	9.8	10.5	11.0	11.0	11.3
2-9/16 in. °F-ft ² -h/Btu	10.0	10.0	10.8	11.3	11.3	11.5
3 in. °F-ft ² -h/Btu	11.7	11.7	12.6	13.2	13.2	13.5
3-9/16 in. °F-ft ² -h/Btu	13.9	13.9	15.0	15.7	15.7	16.0
4 in. °F-ft ² -h/Btu	15.6	15.6	16.8	17.6	17.6	18.0

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