

Nail Base Roofing Insulation - Size and R-Value Chart

EPS Foam & 7/16" OSB

EPS & OSB Thickness	Panel Size	Non-vented Panel R-Value	Vented Panel R-value
1.5"	48" x 96"	4.36	Not Available
2"	48" x 96"	6.27	Not Available
2.5"	48" x 96"	8.20	5.32
3"	48" x 96"	10.12	7.24
3.5"	48" x 96"	12.05	9.17
4"	48" x 96"	13.97	11.09
4.5"	48" x 96"	15.90	13.02
5"	48" x 96"	17.82	14.94
5.5"	48" x 96"	19.75	16.87
6"	48" x 96"	21.67	18.79
6.5"	48" x 96"	23.60	20.72
7"	48" x 96"	25.52	22.64
7.5"	48" x 96"	27.45	24.57
8"	48" x 96"	29.37	26.49
8.5"	48" x 96"	31.30	28.42
9"	48" x 96"	33.22	30.34

Nail Base Insulation:

- R-Values are based on EPS foam insulation, nominal density at 3.85 per inch of thickness @ 75° degrees F, and OSB at R-Value of 0.51, for a combined R-value
- R-Values for EPS foam insulation is based on ASTM C578, Type I
- EPS Foam insulation flame spread, less than 450 (ASTM E84)
- EPS foam insulation smoke developed is less than 25 (ASTM E84)
- EPS foam insulation moisture resistance, WVT perm. In. 2.0 – 5.0 (ASTM E96)
- EPS foam insulation moisture resistance, absorption (vol.) % less than 4.0 (ASTM C272)
- Other thicknesses are available upon request
- Nail Base panels are not structural
- Use in accordance with local building and fire codes

For Distributor Information Contact:

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