GAF ThermaCal® Wall
Exterior Wall Insulation Panels

Description:

Designed to add insulation value to the outside of exterior sidewalls while serving as a nailable base for exterior sidewall coverings,* ThermaCal® Wall Exterior Wall Insulation Panels help reduce heat and cold drive into the occupied/ conditioned space. They can also help reduce associated energy costs and meet the increased R-value energy code requirements being adopted in certain climate zones. ThermaCal® Wall Panels attach to structural exterior sidewalls and can be fastened to outside wall sheathing, metal, or masonry walls.

- Nominal 4' x 8' (1.22 m x 2.44 m) panels

- Single layer of sheathing ($\frac{7}{16}$" [11.1 mm] OSB standard); other options available

- Polyiso thicknesses available: 1" – 4" (25 mm – 102 mm)

- R-values from 6.30 – 24.20

Features and Benefits:

- **Continuous insulation -** Insulating only the cavity wall area leaves up to 25% of the wall area underinsulated by studs, creating a thermal bridge. Installing ThermaCal® Wall Panels helps eliminate thermal bridging by covering the studs while adding continuous insulation to the rest of the wall.

- **Reduced heat loss -** Exclusive tongue-and-groove ISO foam (8' [2.44 m] sides) helps minimize heat loss through the panel joints

- **Fewer hassles -** Machined construction with cut-back sheathing (8' [2.44 m] sides) allows for precision fit and clearance for sheathing expansion

- **Versatile -** Can be used on residential or commercial exterior sidewall applications without the need for interior alterations

- **Sheathing configurations available -** $\frac{7}{16}$" (11.1 mm) OSB nailing surface (standard); optional $\frac{5}{8}$" (15.9 mm) and $\frac{3}{4}$" (19.1 mm) OSB or plywood. Fire-treated options also available.

Codes & Standards

ThermaCal® Wall Exterior Wall Insulation Panels:
- Eligible for LEED® credits. LEED® — an acronym for Leadership in Energy and Environmental Design™ — is a registered trademark of the U.S. Green Building Council

Polyiso Insulation:
- Featuring GAF EnergyGuard™ Polyiso Insulation
- Polyiso core complies with ASTM C1289, Type II, Class I, Grade 2
- ASTM E84 Flame Spread Index of ≤75 and Smoke Developed Index of ≤450

*__Note:__ ThermaCal® Wall Panels are **NOT** structural. They can be used with most exterior sidewall coverings that allow attachment to sheathing only and should **NOT** be used with heavier exterior sidewall coverings that require attachment to studs. Always consult the exterior sidewall covering manufacturer for acceptable substrates and attachment requirements.
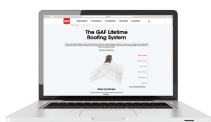Do **NOT** install EIFS (Exterior Insulation Finishing Systems) over ThermaCal® Wall Panels.

For technical information, contact GAF Technical Support at 1-800-766-3411 or technicalquestions@gaf.com.

For assistance with specifications, contact GAF Architectural Information Services: 1-800-522-9224 or AIS@gaf.com

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Approx. Overall Panel Thickness[1]		Nominal Polyiso Thickness		Approx. Weight		Total System R-Value[2]
in.	mm	in.	mm	lb./sq. ft.	kg/sq.m	
1.5"	38 mm	1.0"	25 mm	1.6	7.81	6.30
2.0"	51 mm	1.5"	38 mm	1.7	8.30	9.20
2.5"	64 mm	2.0"	51 mm	1.8	8.79	12.00
3.0"	76 mm	2.5"	64 mm	1.9	9.29	15.00
3.5"	89 mm	3.0"	76 mm	2.0	9.76	18.00
4.0"	102 mm	3.5"	89 mm	2.1	10.25	21.10
4.5"	114 mm	4.0"	102 mm	2.2	10.74	24.20

[1] Approx. overall panel thickness and weight based on the polyiso insulation and one layer of $\frac{7}{16}$" (11.1 mm) OSB.
[2] Total system R-value includes the LTTR R-value of the polyiso insulation and .55 R-value of the $\frac{7}{16}$" (11.1 mm) OSB attached to the polyiso. LTTR R-value calculations are based on ASTM C1289-17.

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