

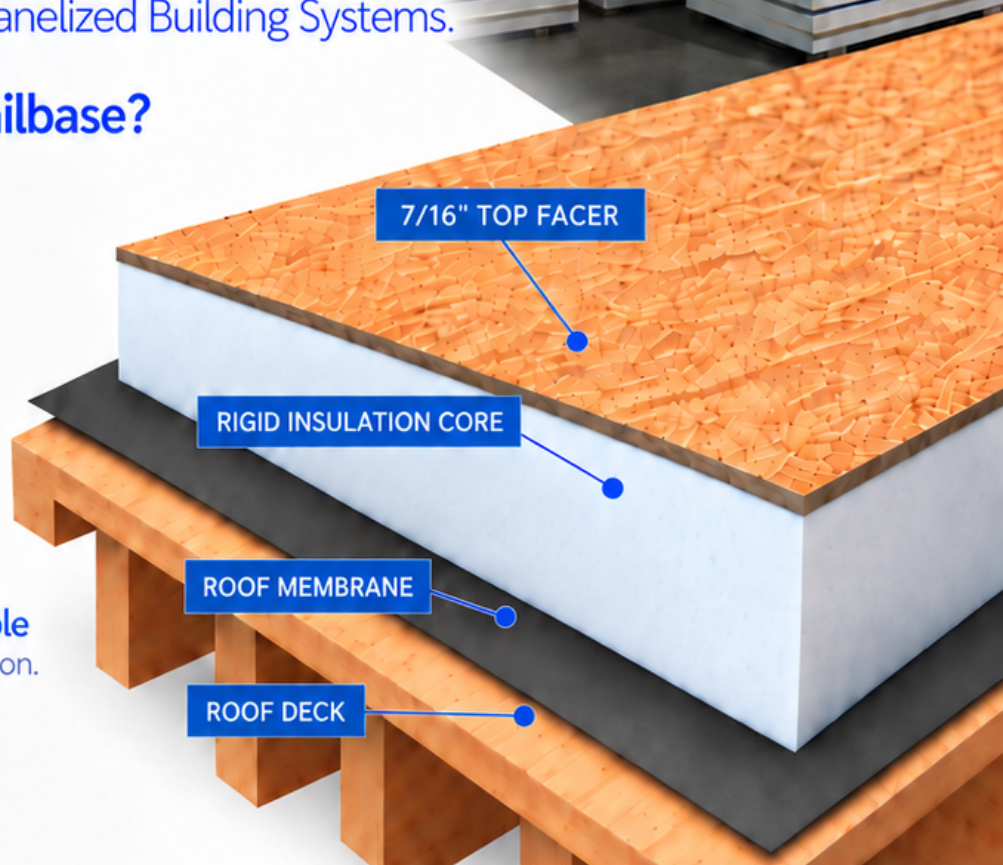
R-SHIELD® NAILBASE

A One-Step Insulation and Nailable Surface.

Available through West-Eco Panelized Building Systems.

Why Choose R-Shield Nailbase?

-  **One-step installation**
Saves labour and simplifies building.
-  **Continuous insulation**
Helps reduce thermal bridging.
-  **Ideal for structural roof decks and walls**
-  **Large panel sizes available**
Fewer seams, faster installation.
-  **Stable, durable and traffic-resistant**
-  **Exterior installation**
Helps minimize disruption to interior living areas.
-  **Moisture-resistant rigid foam core**
-  **Custom widths, lengths, thicknesses and facings available**
Designed for your project needs.



Standard Build



7/16" top facer



Type 1 EPS or Type 1 GPS core



Standard panel size: 4' x 8'

**INSULATE
BUILD
BELONG**

BUILT FOR A
BRIGHTER CANADA

R-SHIELD® NAILBASE

Canadian Technical Highlights

Trusted performance for a stronger, more sustainable Canada.



PRODUCT SNAPSHOT



Ideal for roof deck and wall applications requiring continuous insulation and a nailbase surface



7/16" OSB facing bonded to rigid insulation core



Standard core options: Type 1 EPS or Type 1 GPS



Standard panel size: 4' x 8'



Custom widths, lengths, thicknesses and facings available



50-year thermal performance warranty

CANADIAN TESTING RESULTS

Meets or exceeds CAN/ULC-S701.1

Quality control monitored by UL	
UL Classified to CAN/ULC-S102	
Flame Spread:	210
Smoke Developed:	greater than 500
Thickness range for CAN/ULC-S102 classification:	25 mm to 100 mm

NAILBASE R-VALUES (4°C)

Core Thickness	EPS R-Value	GPS R-Value
1"	R-4.8	R-5.5
1 1/2"	R-6.9	R-8.0
3 1/2"	R-15.2	R-17.8
5 1/2"	R-23.6	R-27.8
7 1/4"	R-30.8	R-36.1
9 1/4"	R-39.2	R-45.9
11 1/4"	R-47.5	R-55.7

Nominal R-values include one 7/16" OSB facing and are based on component values at 4°C: EPS R-4.17/in., GPS R-4.9/in., OSB R-0.6.

ADDITIONAL NOTES



Moisture resistant closed-cell insulation



No CFCs, HCFCs, HFCs or formaldehyde



Recyclable and stable over the long term



Termite-resistant



No long-term R-value loss or thermal drift.

R-SHIELD INSULATION PROPERTIES (CAN/ULC-S701)

Property	Type 1	Type 2	Type 3
Density, nominal (kg/m³)	16	24	32
Thermal resistance @ 24°C, min. (m²·°C/W per 25 mm)	0.65	0.70	0.74
Compressive strength, min. (kPa)	70	110	140
Flexural strength, min. (kPa)	170	240	300
Water vapour permeance, max. (ng/Pa·s·m²)	300	200	130
Water absorption, max. (vol %)	6.0	4.0	2.0
Dimensional stability, max. (% linear change)	1.5	1.5	1.5
Limiting oxygen index, min. (%)	24	24	24

APPLICATIONS



ROOF APPLICATIONS



RESIDENTIAL
Energy-efficient buildings



COMMERCIAL
Durable, high-performance envelopes

- Continuous insulation for new or existing construction.
- Helps reduce thermal bridging and improves building efficiency.
- Compatible with a wide range of roofing and cladding systems.
- Ideal for new construction and retrofit projects.
- Proven performance in Canadian climates.