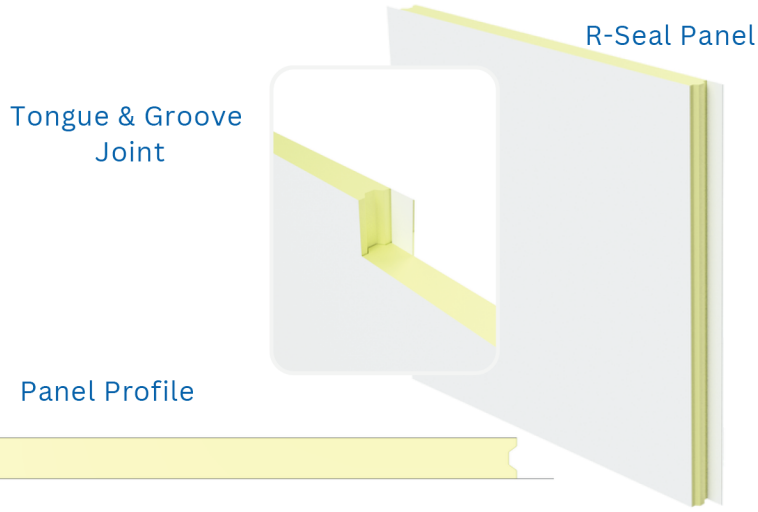
2.6" & 3" R-Seal Rigid Envelope Insulation Panel

R-Seal is a comprehensive proprietary insulation system specifically designed for metal building owners and erectors. R-Seal provides the highest value in the industry by exceeding energy code and air/water barrier requirements for continuous insulation at the lowest installed cost.

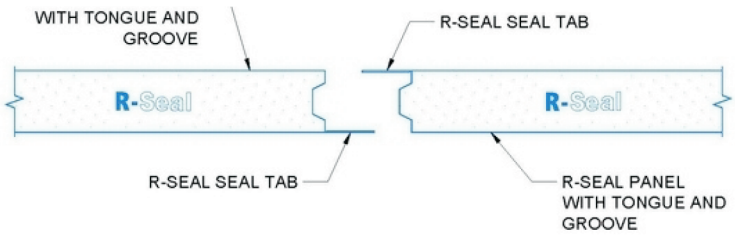


PRODUCT SPECIFICATIONS

WIDTH COVERAGE	3'-5 3/4" / 3.479'
THICKNESS	2.6" & 3"
*STANDARD LENGTH	8'-0" TO 53'-0"
EXTERIOR PROFILE	PS (Polypropylene/Scrim) Bonded to rigid foam
EXTERIOR FACE	Uniformed Dimpling Pattern
INTERIOR PROFILE	PS (Polypropylene/Scrim) Bonded to rigid foam
INTERIOR FACE	Uniformed Dimpling Pattern
JOINT	Tongue & Groove
FASTENING	Through fastened with support channels at finished floor and eave areas
CORE	Rigid closed cell modified Polyurethane/PUR/PIR core, structural and fire rated components between fiber-reinforced polypropylene

Custom Length Panels are Available Upon Request

R-Seal Tape Tab Detail



R-Value and U-Factor

R-Value	U-Factor	Thickness/Inches	Joint Style
R-15	0.064	2.0"	Butt
R-20	0.050	2.6"	Tongue & Grooved
R-22.5	0.044	3.0"	Tongue & Grooved
R-30	0.031	4.0"	Ship Lap
R-37.5	0.027	5.0"	Ship Lap

TESTING: R-Seal: Rigid Envelope Insulation Panel

Test / Approval	Test Method	Test Title	Results
Fire US	ASTM E84	Surface Burning Characteristics of Building Materials	Class A Listed Flame Spread FSI < 25 Smoke Developed < 450
	R-Seal E84 Actual Tested	Composite product flame-spread and smoke-developed tested actual performance	Flame Spread FSI < 5 Smoke Developed < 250
	UL 1715	Full-Scale Fire Testing	PASS
	NFPA 286 Section 9 NFPA 286 Annex "C"	Full-Scale Fire Testing IBC 803.1.2.1 / 286 Annex C	PASS
Fire Canada	CAN/ULC S102	Surface Burning Characteristics of Building Materials and Assemblies	Class A Listed Flame Spread FSI < 25 Smoke Developed < 450
	CAN/ULC S138	Full-Scale Fire Testing	PASS
Structural Performance	OSHA DROP TEST STANDARD 1926.502(c)(4)(i)	Fall Protection for Walking-Working Surfaces	PASS
Air Barrier	ASTM E283 Assembly	Tested Method for Determining Rate of Air Leakage	PASS / 0.04 CFM/ft^2 at 75 PA
	ASTM E283 Assembly Actual Tested	Tested Method for Determining Rate of Air Leakage	0.013 CFM/ft^2 at 75 PA
	ASTM E779 Whole Building Tested	Tested Method for Determining Rate of Air Leakage	PASS / 0.4 CFM/ft^2 at 75 PA
	ASTM E779 Whole Building Tested	Tested Method for Determining Rate of Air Leakage	Average 0.1 CFM/ft^2 at 75 PA ***Based on Field Testing**
Water Infiltration	ASTM E331	Testod Method for Water Penetration	15 min @ 2.86 psf / PASS 2 hr @ 6.24 psf / PASS
Thermal Performance	ASTM C518-15	Tested in accordance with: ASTM C518-15 Thermal Transmission by means of the heat flow apparatus. Tested at mean temperature of 75 degrees - Thermal Resistance "R" per inch: 7.5 Tested at mean temperature of 55 degrees - Thermal Resistance "R" per inch: 7.7 Tested at mean temperature of 20 degrees - Thermal Resistance "R" per inch: 8.7	
Compression Strength	ASTM D1621	Tested Method for Determining Compressive Strength	31 - psi Perpendicular