

**ISOWALL®** is a stressed-skin sandwich panel system. The Isowall EPS (Expanded Polystyrene) system provides a high strength, low-cost, and reliable insulation solution. Our panels are a convenient and cost-effective building product that offers a high thermal performance and moisture control, and this airtight panel system can be installed easily and quickly. It produces a thermal envelope unit

**ISOWALL®** PANELS ARE THE PERFECT CHOICE FOR RENOVATIONS OR TO CREATE AN AFFORDABLE YET RESILIENT, CFIA-ACCEPTED AND ENERGY EFFICIENT SPACE.

that is highly energy efficient and features an aesthetic, flush profile that will look good for years to come. From small coolers to large commercial buildings, **ISOWALL®** panel systems provide the perfect building solution for your commercial or industrial project.

## ISOWALL® PANEL PROPERTIES

- Thicknesses from 2" to 10".
- Panels are produced on a continuous lamination line to ensure outstanding quality.
- Easy to install for anyone versed in general building principles and practices.
- Rigid EPS core resulting in a strong yet light weight panel.
- Panel facings are permanently bonded to EPS core with a heat polymerizing adhesive.
- Panel edge profile is a friction fit tongue and groove that is installed in a U channel or L shaped edge.
- Any transportable length, however we may recommend bisecting very long panels to make installation and maneuvering safer and easier.
- Installation process can cut construction costs in half. Tongue and groove edge enables ease of construction and the edge harmonizes with our **ROCKWALL™** panel system.

THICKNESS INCHES	WEIGHT IN LBS. PER LINEAR FOOT	WEIGHT IN LBS. PER SQUARE FOOT
2"	9.00	2.34
3"	9.50	2.48
4"	10.00	2.61
5"	10.25	2.68
6"	10.33	2.70
7"	10.50	2.74
8"	10.60	2.77
9"	10.80	2.82
10"	11.00	2.87

Facing MM (inches)	Thickness mm (inches)	TOTAL UNIFORM LOAD kPa (lb/sq ft)						
		0.239 (5)	0.479 (10)	0.958 (20)	1.436 (30)	1.915 (40)	2.394 (50)	2.873 (60)
0.6 (.020+/-) Steel	51 (2)	5.18 (17)	3.65 (12)	2.44 (8)	1.83 (6)	1.52 (5)	1.22 (4)	0.91 (3)
	76 (3)	7.01 (23)	4.87 (16)	3.35 (11)	2.74 (9)	2.13 (7)	1.83 (6)	1.52 (5)
	102 (4)	7.92 (26)	5.79 (19)	3.96 (13)	3.35 (11)	2.74 (9)	2.44 (8)	2.13 (7)
	127 (5)	9.14 (30)	6.40 (21)	4.57 (15)	3.65 (12)	3.04 (10)	2.74 (9)	2.44 (8)
	152 (6)	10.05 (33)	7.01 (23)	4.87 (16)	3.96 (13)	3.35 (11)	3.04 (10)	2.74 (9)
	178 (7)	10.66 (35)	7.62 (25)	5.18 (17)	4.26 (14)	3.65 (12)	3.35 (11)	3.04 (10)
	203 (8)	11.58 (38)	7.92 (26)	5.79 (19)	4.57 (15)	3.96 (13)	3.65 (12)	3.35 (11)
	229 (9)	12.19 (40)	8.53 (28)	6.09 (20)	4.87 (16)	4.26 (14)	3.65 (12)	3.35 (11)
	254 (10)	12.80 (42)	9.14 (30)	6.40 (21)	5.18 (17)	4.57 (15)	3.96 (13)	3.75 (12)

## GENERAL SPECIFICATIONS

- High thermal barrier envelope and vapour resistance resulting in significant energy saving R-value (about 4.1 per inch) for consistent thermal performance and thermal envelope. **Energy cost savings of as much as 30%** over traditional multi part building systems.
- **ISOWALL®** panels are listed in the CFIA construction materials manual for registered establishments under I079.
- Panels last as long as the service life of a typical commercial building and comply with various industry standards and building safety codes. Our durable panels also reduce operational costs for energy and maintenance, and offer multiple end-of-life reuse options.
- The steel skins on **ISOWALL®** panels contain a substantial amount of re-captured metal and are low-weight material to reduce transport and installation energy.
- Interior and exterior facings are CFIA accepted 0.18 min. G-90 Hot Dipped galvanized steel, conforming to ASTM A653-Grade 33 pre-coated with an imperial white standard finish. The interior and exterior standard finishes are available in either embossed or smooth with a micro rib, shadow line or smooth profile finish.
- **ISOWALL®** panels have been tested by NRC and meet Flame Spread Test in accordance with ULC S102, ULC C376-95, UL-5138 (Flame spread 25, smoke developed 290), Intertek NP-C463 for use in sprinklered buildings. Complies with CAN/ULC S102.