



### ENERMAX

#### DESCRIPTION:

**ENERMAX** is manufactured by Building Products of Canada Corp. A leading producer of high-quality wood fibre products. **ENERMAX** is a rigid wall insulation panel composed of interlocking wood fibres impregnated with a wax emulsion and with an aluminum foil sheet laminated to the surface. **ENERMAX** is an ecological product free of volatile organic compound (VOC).

**ENERMAX** is an air-barrier that offers an excellent thermal resistance when applied with an air space as well as different levels of sound deadening properties. **ENERMAX** also has a 1-hour fire rating.

#### USES:

**ENERMAX** is used as a combined air barrier, sound deadening and insulating sheathing on the interior of wood or steel studs in frame construction.

#### STORAGE:

**ENERMAX** wood fibre panels must be stored 100 mm (4") above ground level and adequately protected from the elements with tarpaulins.

#### SIZES AND PACKAGING

SKU	Dimensions	Panels/Bundle	Coverage/bundle
BN008	1219 mm x 2464 mm (48" x 97")	96	288.4 m <sup>2</sup> (3104 ft <sup>2</sup> )

CHARACTERISTICS	UNITS		RESULTS BP		REQUIREMENTS		TEST METHOD
	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC	IMPERIAL	
Nominal Thickness	mm	in	12.5	0.5	12.5	0.5	ASTM C209
Thermal Resistance 25 mm	m <sup>2</sup> ·°K/W	ft <sup>2</sup> ·h·°F/Btu	0.52	2.9	≥0.41	≥2.37	ASTM C518
Transverse Load at Rupture (min. avg.) MD XMD	N	lbf	76 62	17.09 13.9	62	13.9	ASTM C209
Tensile Strength Parallel to Surface, (min. avg.) MD XMD	kPa	lb/in <sup>2</sup>	2277 1651	330 239	1000	145	ASTM C209
Linear Moisture Expansion, max.	%	%	0.2	0.2	0.5	0.5	ASTM D1037
Water Absorption max. 2 hours	%	%	6.88	6.88	10	10	ASTM C209

#### Acoustical Properties

Sound Transmission Coefficient	NBC 9.11.1	See CCMC 13475-R for systems
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#### Thermal Properties

Thermal Resistance (with air space)	m <sup>2</sup> ·°K/W	ft <sup>2</sup> ·h·°F/Btu	0.76	4.33	-	-	ASTM C518
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#### Air Barrier Properties

Water Vapour Permeance max.	ng / (Pa·s·m <sup>2</sup> )	perms	1.5	0.03	60	1.05	ASTM E96
Air Permeability max.	L/(s·m <sup>2</sup> )	-	0.00036	-	0.02	-	ASTM E2178

#### APPLICABLE STANDARDS

CAN/ULC S706.1 Type II, Class 7;  
CCMC 13356-R, CCMC 13475-R and CCMC 13494-R;  
CAN/ULC S101, 1 hour Fire Resistance.