



TECHNICAL DATA SHEET

WOOD FIBRE PANELS

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 hr 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 ² (3104 ft ²)

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 25.4 mm (1")	m ² ·°K/W	ft ² ·h·°F/Btu	0.528	3.0	≥0.455	≥2.6	ASTM C518
Transverse Load at Rupture (min. avg.)	N	lbf	76	17.09	62	13.9	ASTM C209
MD XMD			62	13.9			
Tensile Strength Parallel to Surface, (min. avg.)	kPa	lb/in ²	2277	330	1000	145	ASTM C209
MD XMD			1651	239			
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 9.11.2.1	See CCMC 13475-R for systems
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Thermal Properties

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

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

APPLICABLE STANDARDS

CAN/ULC S706-09 Type II, Class 7
 CCMC 13356-R
 CCMC 13475-R
 CCMC 13494-R
 CAN/ULC S101, 1hr Fire Resistance