



THE CAMLOCK PANEL

THE NORBEC® PANEL IS AN ENERGY-EFFICIENT INSULATED PANEL DEDICATED TO CUSTOM BUILT NORBEC WALK-IN COOLERS. NORBEC® INSULATED PANELS HAVE MANY APPLICATIONS: FREEZERS, COOLERS AND STORAGE.

SPECIFICATIONS

NORBEC® PANEL

DESCRIPTION	<ul style="list-style-type: none"> > Insulated panel with polyurethane core > Camlock system > Multiple configurations and custom sizes > Joints: tongue and groove interlocking 						
FEATURES	WALLS AND CEILINGS*			FLOORS*			
WIDTH	Up to 47 inches						
LENGTH	Up to 18 feet			Up to 12 feet			
THICKNESS	3, 4 and 5 inches						
R-VALUE	0,55 m ² °K/W (R-Value : 8 in ² °F h/BTU/ρo)						
STEEL INNER FACE (STANDARD)	0,019 inches (0,483 mm) – 26 Ga (Prepainted)			0,052 inches (1,32 mm) – 18 Ga Galv.			
STEEL OUTER FACE (STANDARD)	0,019 inches (0,483 mm) – 26 Ga (Prepainted)			0,019 inches (0,483 mm) – 26 Ga (Prepainted)			
WEIGHT	Thickness(inch)	3	4**	5**	3	4**	5**
	Weight (lb/ft ²)	2,22	2,4	2,6	3,6	3,8	4,0

*Reinforcements available upon request ** NRCan and DOE compliant

COMPLIANCE



NSF*

NSF STD 7 compliant

- > > Wall-to-wall and wall-to-floor corners
- > > Factory-applied closed cell weather stripping
- > > Floor coverings available in aluminum or stainless steel



DOE

DOE 15 compliant



Natural Resources Canada

Listed and compliant with Amendment 14 (cold rooms, freezers and doors) and 16 (refrigeration system).



LEED® v4

- > Contributes to LEED® v4 for Green Building Design and Construction (C+CB)
- > Contributes to LEED® v4 for Interior Design and Construction (C+CI)

*Available upon request

**MAIN PHYSICAL
PROPERTIES OF
POLYURETHANE**

PROPERTY	METHOD	RESULTS
Surface burning characteristics	ASTM E84 (UL723)	Flame spread = 0-25 Smoke spread = 0-500
Moisture absorption	ASTM C1104	0.05% by weight
Density (lb/ft ³)	-	8,5 lb/ft ³

TESTS

	PROCEDURE	TITLE	RESULTS
FIRE CANADA	CAN/ULC-S102	Surface burning characteristics of building materials and assemblies	Flame spread: 0-25 Smoke developed: 0-500
	CAN/ULC-S138	Fire growth of insulated building panels in a full-scale room configuration	Meets requirements with sprinklers
FIRE US	ASTM E84	Surface burning characteristics of building materials	Flame spread: 0-25 Smoke developed: 0-500
	ASTM D1929	Tests to determine the ignition temperatures of plastics	Flash Igniton Temperature: ≥ 600°F (316°C) Spontaneous Ignition Temperature: ≥ 800°F (427°C)
THERMAL PERFORMANCE	ASTM C518	Test to determine the steady-state thermal transmission properties of thermal insulation and other materials at 20°F	R7 °Fh/BTU/inch @ 55°F R8.2°Fh/BTU/inch @ 20 °F
	ASTM C1363	Test for thermal performance of building materials and envelope assemblies	Meet the requirements
ELECTRICAL	CSA 22.2 Class 1222-01 (Canada) UL 471 (USA)	Safety of refrigeration equipment: Refrigeration machines, doors and accessories	Meet the requirements

