

FOR CONTRACTORS

# FOUNDATION PLUS/SHEATHING



**A DUAL-PURPOSE PRODUCT SERVES  
BOTH AS INSULATION AND EXTERIOR  
SHEATHING MATERIAL.**

For residential, commercial and industrial projects, you need an exterior insulation you and your clients can trust.



# HOMEOWNERS CHOOSE FOUNDATIONPLUS/SHEATHING BECAUSE IT'S A COST-EFFECTIVE WAY TO INCREASE THE R-VALUE OF THEIR HOMES, LOWER THEIR ENERGY COSTS AND INCREASE THE COMFORT OF THEIR FAMILIES.

It's made from high-density Newfoundland Styro Type 2 Expanded Polystyrene (EPS) and its breathability eliminates the potential for trapped moisture, condensation and dry rot. Its incredible strength, durability and moisture resistance makes it an excellent choice for under concrete slabs or on exterior foundation walls.

## EASY TO INSTALL WITHOUT ANY SPECIAL TOOLS OR TECHNIQUES.



### FINISHING BASEMENTS:

Apply FoundationPlus/Sheathing directly to the concrete with insulation adhesive or nail it to the sill plate or joist header.

### NEW CONSTRUCTION PROJECTS:

Attach FoundationPlus/Sheathing to studs with 1/2" head galvanized nails. It's compatible with any exterior finish material.

### RENOVATIONS:

Install FoundationPlus/Sheathing directly over the existing building face and finish up with new siding or brick.

FoundationPlus/Sheathing is available in 2' or 8' sheets with standard thickness ranging from 1" to 2"  
(other thicknesses are available by special order).

Newfoundland Styro FoundationPlus/Sheathing is CCMC-certified and approved for in-ground applications. Every product in the Newfoundland Styro insulation system is designed to be durable, versatile, environmentally responsible and cost-effective.



### LOWER ENERGY COSTS. LONGER COMFORT.

We believe in helping building owners save as much as possible. That's why we designed our products to reduce heating costs and protect the integrity and long-term comfort of both commercial and residential buildings.



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# FOUNDATION PLUS TYPE II

## EXPANDED POLYSTYRENE INSULATION

Foundation Plus Type II does not contain HFC's, CFC's or HCFC's.

Foundation Plus Type II is 100% recyclable.

Foundation Plus Type II has long-term thermal stability.

### PHYSICAL PROPERTIES

Physical Property	Units Imperial	SI (metric)	ASTM Test Procedure	Foundation plus Type II
Thermal resistance (R-value) at 24°C (75°F)	hr.ft <sup>2</sup> . °F / Btu / 1in	m <sup>2</sup> . °C / W / 25.4mm	C 177 or C 518	4.00 (0.70)
Coefficient of thermal expansion	in/in/°F	m/m°C	D 696	3.5x10 <sup>-5</sup> C <sup>-1</sup> (max) (6x10 <sup>-5</sup> C <sup>-1</sup> )
Effective temp. (continuous) range. (intermittent)	°F	°C	-	up to 75°C (167°) up to 82°C (180°)
Compressive strength (min.) at 10% deformation	psi	kPa	D 1621	16 (min) (110)
Flexural strength (min.)	psi	kPa	C 203	35 (min) (240)
Tensile strength (min.)	psi	kPa	D 1623	30 (min) (210)
Density	lb/ft <sup>3</sup>	kg/m <sup>3</sup>	-	1.35 (21.7)
Water vapor permeance (max.)	perm-in	ng/Pa.s.m <sup>2</sup>	C 355	2.8 (max) (200)
Water absorption % by volume (max.)	%	%	D 2842	4.0 (max)
Dimensional Stability % Linear Change (max.)	%	%	D 2126-75	1.5 (max)
Shear Modulus	psi	kPa	-	460-500 (3170-3445)
Modulus of Elasticity	psi	kPa	-	320-360 (1930-2480)

1. Manufactured in compliance with CAN/ULC-S701-97
2. CCMC Evaluation # 12456C-L
3. CAN/ULC tested for fire resistance as per: CAN/ULC-S101-M  
CAN/ULC-S107-M  
CAN/ULC-S126-M





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