



FORTEFY THERMO & THERMO HD RIGID INSULATION BOARDS

BENEFITS

- Lightweight for easy installation
- Eliminates thermal bridging on exterior wall application
- Reduced air infiltration
- Economical: low cost per R-Value

APPLICATIONS

- Interior or exterior wall cladding
- Foundation walls
- Under slab insulation
- Roofing insulation
- Cavity wall insert
- Radiant floor heating
- Retrofit and over clad of existing structures





FORTEFY THERMO & THERMO HD

Forte EPS has developed insulation products designed to provide superior thermal performance in the most economical manner possible. When used with best building practices **Fortefy Thermo and Thermo HD rigid insulation boards** can result in significant energy savings. All **Forte EPS** insulation products contribute to sustainability, and are 100% recyclable. **Go Green.**

DID YOU KNOW?

Putting the thermal mass of a building on the **INSIDE** of the insulation can result in reduced energy costs to heat and cool a building when compared to traditional cavity wall insulation. External insulation eliminates thermal bridging (the transfer of energy from the interior to the exterior through materials with low R-Values) and can significantly reduce air infiltration; in some cases the cladding can even act as the air barrier.

SPECIFICATIONS

Standard sheets come in 2' x 8' or 4' x 8' with either a butt edge or shiplap. Manufactured as a Type I, Type II or Type III.

CANADIAN STANDARDS										
Property*	Units	ΤΥΡΕ Ι	Type II	Type III	Test Method					
Thermal Resistance (R-value) Minimum @ at 24C (75°F)	m2•°C/ (W•25 mm)	0.65	0.70	0.74	ASTM C518					
	ft2•hr•°F/(BTU•in)	3.75	4.04	4.27						
Water Vapour Permeance** Maximum	ng/(Pa•s•m2)	300	200	130	ASTM E96					
	perms	5.2	3.2	2.3						
Dimensional Stability Maximum	% linear change	1.5	1.5	1.5	ASTM D2126 7 days @ 70± 2℃					
Flexural Strength Minimum	kPa	170	240	300	ASTM C203 Procedure B					
	psi	25	35	44						
Water Absorption Maximum	% by volume	6.0	4.0	2.0	ASTM D2842					
Compressive Strength Minimum @ 10% Deformation	kPa	70	110	140	ASTM D1621					
	psi	10	16	20	Procedure A					
Limiting Oxygen Index Minimum	%	24	24	24	ASTM D2863					

**The test methods used to determine the above material properties provide a means of comparing different cellular plastic thermal insulations. They are intended for use in specifications, product evaluations and quality control. They are not intended to predict end-use product performance.

*Values quoted are maximum values for 25 mm (1 inch) thick samples with natural skins intact. Lower values will result for thicker materials.

AMERICAN STANDARDS										
Property	Units	ASTM test	ASTM C 578 Type							
			I	VIII	II	IX				
Density	pcf	C303	0.90	1.15	1.35	1.80				
Flexural Strength	psi	C203	25	30	35	50				
Compressive Resistance - at yield or 10% deformation	psi	C165 or D1621	10	13	15	25				

This information is presented as average values as identified by accepted ASTM standards and test methods and as such the values can vary as the result of normal manufacturing processes. Please consult Technical Support for more detail. Fortefy Thermo & Thermo HD rigid insulation boards conform to S-102.2 & S-701 standards.

HAVE A QUESTION?

PLEASE CONTACT OUR TECHNICAL SUPPORT DEPARTMENT

SUPPORT@FORTE-EPS-SOLUTIONS.COM | TOLL FREE: 1-855-527-4220

Still not sure? When all else fails refer to your local Building Code. Expanded Polystyrene is a combustible material and therefore should be protected from open sources of ignition, such as flames other sources of combustion. Combustible material of an increased thickness or higher density will increase fuel loading and therefore increase the measured flame spread ratings when tested in accordance with CAN/ULC S102.2. Conforms to S-102.2 & S-701-11 standards. All our products are 100% recyclable. Go Green.









16567 12 Hwy, Midland, ON L4R 4K8 T: 705-527-4220 | TF: 1-855-527-4220 info@forte-eps-solutions.com | www.forte-eps-solutions.com