



## Truefoam 300 TYPE 3 EXPANDED POLYSTYRENE INSULATION

- Truefoam 300 Type 3 does not contain HFC's, CFC's or HCFC's.
- Truefoam 300 Type 3 is 100% recyclable.
- Truefoam 300 Type 3 has long-term thermal stability.

### PHYSICAL PROPERTIES

Physical Property	Units Imperial	SI (metric)	ASTM Test Procedure	Truefoam 300 TYPE 3
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	4.26 (0.75)
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 at 10% deformation	psi	kPa	D 1621	29.6 (204)
Flexural strength	psi	kPa	C 203	80 (555)
Capillarity	-	-	-	none
Water vapor permeance	perm-in	ng/Pa.s.m <sup>2</sup>	C 355	0.85 (113.5)
Water absorption % by volume	%	%	D 2842	0.33%
Dimensional Stability % Linear Change (max.)	%	%	D 2126-75	-0.3%
Shear Modulus	psi	kPa	-	460-500 (3170-3445)
Modulus of Elasticity	psi	kPa	-	320-360 (1930-2480)

1. Test results provided by Intertek ETL SEMKO
2. Manufactured in compliance with CAN/ULC-S701-2005
3. CCMC Evaluation # 13317-L
4. CAN/ULC tested for fire resistance as per: CAN/ULC-S101-M  
CAN/ULC-S107-M  
CAN/ULC-S126-M