

FOR CONTRACTORS

# TRUEFOAM 300



**TODAY'S HOMEOWNERS ARE DEMANDING  
TOP-QUALITY, ENERGY-EFFICIENT HOMES  
TO COMBAT RISING ENERGY COSTS.**

That's why it's critical to provide them with a strong, durable, thermal-efficient way to seal in their home's temperature.



# TRUEFOAM 300 IS A TYPE 3 PRODUCT MANUFACTURED FOR APPLICATIONS THAT REQUIRE A HIGH R-VALUE AND EXCEPTIONAL MOISTURE RESISTANCE.



## TRUEFOAM 300:

- It won't support mold or mildew growth.
- It combines an R-value of 4.26 per inch (RSI of 0.75 per 25mm) with high moisture resistance and Type 4 compressive strength.
- It excels in a wide range of insulation applications, such as cavity walls, frame walls and masonry wall interiors and exteriors.
- It does not contain HFCs, CFCs or HCFCs and it's 100% recyclable.
- It's extremely versatile and easily adapts to building code changes.
- It's comparable to STYROSPAN™ Extruded Polystyrene, Truefoam 300 a is consistently ranked as the most cost-effective option on the market.



## 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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# 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 III
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 (max)	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





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