



Insulworks TYPE II

EXPANDED POLYSTYRENE INSULATION

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

PHYSICAL PROPERTIES

Physical Property	Units Imperial	SI (metric)	ASTM Test Procedure	Insulworks TYPE II
Thermal resistance (R-value) at 24°C (75°F)	hr.ft ² .°F / Btu / 1in	m ² .°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 ⁻⁵ C ⁻¹ (max) (6x10 ⁻⁵ C ⁻¹)
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 ³	kg/m ³	-	1.35 (21.7)
Water vapor permeance, (max)	perm-in	ng/Pa.s.m ²	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