FOR CONTRACTORS

INSULWORKS

YOUR HOMEOWNERS WANT INSULWORKS.

They're looking for an insulation that's going to work hard. They want a cost-effective solution that will keep their house warm, last for a long time and never lose its R-value.

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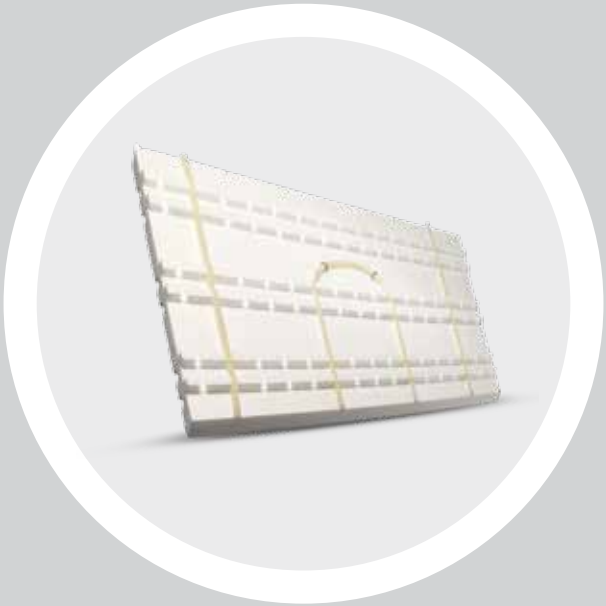
SHOW THEM HOW THEY CAN SAVE MONEY ON MATERIAL COSTS WITH AN INSULATION SYSTEM THAT'S SPECIFICALLY DESIGNED FOR HYDRONIC IN-FLOOR HEATING.



FAST AND ACCURATE ROOM TEMPERATURE RESPONSE: Your customers will love how InsulWorks gives them immediate, accurate control over how a room feels.

EASY INSTALLATION: You can reduce your project costs because there's no need to purchase and install wire mesh – the tube is simply "stepped" into the InsulWorks panels.

VERSATILITY: You can use InsulWorks in slab-on-grade, sandwich slab application and snow melt systems – above ground, underground or under concrete structures.

STRENGTH: InsulWorks has been designed to support the weight of cast-in-place concrete, construction activity, working loads, machinery and heavy vehicle loading where the concrete slab has been designed for such purposes.

QUALITY MATERIALS: InsulWorks is made from Type 2 Expanded Polystyrene (EPS), a high-density closed-cell foam. It's 100% recyclable, it doesn't contain any harmful HFCs, CFCs or HCFCs and it has long-term stability.

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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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)	$\frac{hr.ft^2.°F}{Btu \quad 1in}$	$\frac{m^2.°C}{W \quad 25.4mm}$	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/m3	-	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 Modulus of Elasticity	psi psi	kPa kPa	- -	460-500 (3170-3445) 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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