

## Easy installation, cost-efficient

The only insulation system specifically designed for hydronics.

The perfect system for all structures.



### WHY CHOOSE HYDRONICS HEATING?

Hydronics makes the most efficient use of energy, providing draft free even heat in the largest spaces. Simply put, hydronic heating warms the floor and this warmth is reflected upwards by Insulworks, evenly heating the living or working space. For activities that require contact with the floor such as mechanical work or exercise, hydronic heating is the perfect system.

- Insulworks is all in one, cost efficient up to 25% lower installation cost
- Insulworks is made from expanded polystyrene which is environmentally friendly, totally inert, non toxic, and never releases harmful substances
- Insulworks is totally CFC and HCFC free
- Insulworks cannot hurt the earths ozone layer
- No mesh
- No tiles
- No back-breaking labour
- Spaces tubing evenly
- Available for 13 mm (1/2") and 15.8 mm (5/8") and 19 mm (3/4") standard tubing
- Custom sizes available

CAN / ULC PERFORMANCE REQUIREMENT CHART

Physical Property	Units Imperial R value	Units SI (metrics)	Units SI (metrics)	Values	
				Imperial	metric
Thermal Resistance (min) (R-value)	hr. ft2 F BTU / 1 in	hm2 C W/ 25 mm	C-177-76 or C-518-76	4.00	0.70
Coefficient of Thermal expansion (max)	in / in / F	m / m / C	D-696-79	35 x 10-5	6 x 10-5c-1
Compressive strength (min) at 10% deformation	psi	kPA	D-1621-73	16	110
Capillary Action	—	—	—	none	none
Water vapor permance (max)	perm-in	ng/pa.s.m.-2	E96-80	3.5	200
Water absorption % (max)	%	%	D-2842-69	4.0	4.0

SIZES / ORDER CODES / PACKAGING

Description	Insulation Thickness	Order Code For 1/2" Tube	Order Code For 3/4" Tube	Peices /Pack	Sq.Ft.	Sq.Ft.
					/Pack	/Trcklod
Insulworks R6	1.5 "	55803	Not Available	20	320	26,880
Insulworks R8	2 "	55804	55814	16	256	21,504
Insulworks R10	2.5 "	55805	55815	12	192	16,128
Insulworks R12	3 "	55808	55818	P10	160	13,440

### Specifications/Compliances:

Insulworks meets or exceeds the requirements of CAN/ULC s701-97 TYPE 2.

AMC Foam Technologies Inc. are meeting these specifications and are certified under the Warnock Hersey third party certification process.

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