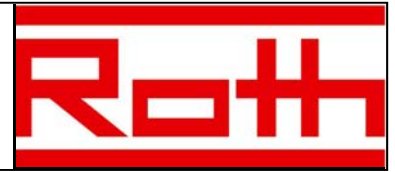


Submittal Data Sheet



Roth Part #	Item Description	Manufacturer
See Below	Crete-Heat™ Insulated Floor Panel System	Crete-Heat, LLC

Job _____ Engineer _____
 Contractor _____ Representative _____

Application:
 Insulation, vapor barrier and tubing holder for radiant slab and snow melt installations.



Technical Specifications:

Base Material Expanded Polystyrene (EPS)
Cover Material High Impact Polystyrene (HIPS)
 10 mil thickness
 Thermo formed onto EPS to provide vapor barrier and strengthen base and tube holders (knobs)
Tube Holders 7/8" height allows for foam to "mushroom" over tubing for a more secure installation
 Spaced 3" OC
Panel Size 25" x 49" (635.0 mm x 1244.6 mm)
Effective Area 24" x 48" (609.6 mm x 1219.2 mm)
Panel Connections Interlocking grooved edges to enhance vapor barrier and structural qualities
Compressive Resistance* 25psi / 3600psf @ 10% Deformation (ASTM C165-00)
Perm Resistance CH-1 .68 perms (ASTM C165-00) CH-2, CH2 Melt, CH-3 .51 perms
Fire Retardant Treated with fire retardant material
Mold Resistant ASTM 1338 testing on EPS resulted in no mold growth over 28 days
Tubing Size CH-1, CH-2 & CH-3 3/8", 1/2", 5/8" CH-2 Melt 3/4", 1"
Recyclable Can be reprocessed into the basic polystyrene resin

Roth Crete-Heat™ Benefits

- Cuts radiant system install time up to 2/3.
 - Packaged in UV protected bags
 - Can be used in new construction and retrofits**
 - Panels are easy to handle and lay flat
- * Panels can be special ordered with higher density 40psi or 60psi base material
 ** CH-1 panels can be ordered with optional sound knobs on underside to provide 23 db noise reduction

Part #	Name	Insulation Thickness	Total Thickness	Thermal Resistance
<input type="checkbox"/> 2379000001	CH-1	1" (25mm)	1 7/8" (48mm)	R-6
<input type="checkbox"/> 2379000002	CH-2	2" (51mm)	2 7/8" (73mm)	R-10
<input type="checkbox"/> 2379000004	CH-2 Melt	2" (51mm)	2 7/8" (73mm)	R-10
<input type="checkbox"/> 2379000003	CH-3	3" (76mm)	3 7/8" (98mm)	R-14

Effective Date: October 2011

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