



# CREATHERM™

## Radiant Floor Panels



# Fast. Easy. Saves Labor. Just Walk It In.

## BENEFITS OF RADIANT FLOOR PANELS

Creatherm™ radiant floor panels, manufactured out of BASF Styropor® EPS, offer contractors an innovative foam installation process that saves time and money. Creatherm™ radiant floor panels are easily installed. Interlocking panels help reduce labor costs and improve installation efficiencies by allowing for precise tube layout that eliminates the need to tie, clip, staple, or screw the PEX [cross-linked polyethylene] tubing to the substrate.

Styropor®, an expandable polystyrene (EPS) was invented by BASF in 1952, and today, is a classic among the raw materials employed for cost-effective construction, as well as efficient and reliable packaging. The most important properties of Styropor® EPS include: excellent thermal insulation capacity, high compressive strength, outstanding impact absorption and low weight. Foam is an eco-friendly building material and is incredibly strong, quiet, resistant to insects and mold, and virtually allergen free. These panels offer a great solution for slab-on-grade, snow melt, retro-fit and root zone heating. The finished floor panel size is 2' x 4' and features a staggered snap-tight grid for optimal tubing spacing. On-center points exist every 3 inches.

Ask about customizing our panels to achieve exclusivity in your market. Creatherm™ is manufactured according to the proprietary process protected by U.S. Design Patents No. D541396 and No. D587358 and is a registered trademark licensed to the Creatherm Company.



Proud member of:



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[CREATHERM.COM](http://CREATHERM.COM)

# T45

offering our THIN “R” value

thin:::panel thickness 1.8”

# S45

offering our STANDARD “R” value

standard:::nominal height 2.8”

# U45

offering our ULTIMATE “R” value

ultimate:::panel thickness 3.3”



			T45	S45	U45
<b>TEST DATA</b>	<b>ASTM TEST</b>	<b>UNITS</b>			
Thermal Resistance R-Value	C-177 or C-518	F.ft2.h/Btu	5	9	10.5
Density	C-303	lb/ft3	2.0 PCF (32gpl)	2.0 PCF (32gpl)	2.0 PCF (32gpl)
Compressive Resistance at 10% Deformation	D-1621	PSI	>36	>36	>36
Water Vapor Permeability	E-96	Perm-Inches, Max.	0.67	0.36	0.58
Water Absorption	C-272	% by Volume Max.	4	4	4
Dimensional Stability	D-2126	% Max.	2	2	2
Mold Resistance	C-1338	5 Strains	No Growth	No Growth	No Growth
<b>PRODUCTION</b>					
Overall Board Size		Inches	25" x 49"	25" x 49"	25" x 49"
Usable Size		Inches	24" x 48"	24" x 48"	24" x 48"
Recommended PEX		Inches	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"
Overall Thickness Including Pipe Grid		Inches	1.8"	2.8"	3.3"
Nominal (EPS) Thickness of Insulation		Inches	1"	2"	2.5"
Screed Volume in Tube Grid		Cubic Inches	875	875	875
Cover Stock			Polystyrene	Polystyrene	Polystyrene
<b>SHIPPING</b>					
Parts Per Bundle			18	10	8
Sq. Ft. Per Bundle			144	80	64
Parts Per Truckload			3,456	1,920	1,536

\*\*Data contained herein is meant for reference and estimating purposes only. Refer to appropriate ASTM standards or call for more detailed information. CREATHERM™ Radiant Floor Panels can be customized to your specifications. Inquire for custom quotes.

