AquaHeat ProPanel

ComfortPro Systems
AquaHeat

Job Name		Representative			
Engineer		Order #		Date	
Contractor		Submitted by		Date	
Page #		Approved by		Date	

Qty	Part #	Zones	Size	Description / Comments
	82434		24"x 24"x 3/4"	Straight Board for 1/2" Pipe
	92434		24"x 24"x 3/4"	Ultimate Board for 1/2" Pipe - Radius
	82458		24"x 24"x 5/8"	Straight Board for 3/8" Pipe
	92458		24"x 24"x 5/8"	Ultimate Board for 3/8" Pipe - Radius

ProPanel radiant heat panels are designed for simple, efficient installation over a variety of construction types. ProPanel is ideal for new construction, and it is particularly advantageous in the renovation market. Adding only 3/4" or 5/8" to the existing floor height. ProPanel provides a superior performing radiant heating system, even heat distribution and is easy to layout and install. ProPanel is lightweight - 5 times lighter than concrete, no need for structural upgrades. ProPanel is compatible with most floor coverings. Pex pipe is laid out on 8"on center. Choose 5/8" ProPanel for standard 3/8" Pex pipe and 3/4" ProPanel for standard 1/2" Pex pipe. ProPanel is made of moister resistant MDF and has a superior heat response time, aided by a .007 thick . aluminum backing for an added reflective value.

To estimate the number of panels needed, divide the square footage of the area by 2 (each panel is 4 sq.ft.). Example: A 20ft. X 20ft. room = 400sq.ft., dividing 400 by 4 = 100 panels. For standard room configurations, (square, rectangle) include 5% additional panels to allow for waste. For rooms with angled walls, multiple corners, or bump outs, include 10% additional panels. Tubing: ProPanel is designed to secure 3/8" and 1/2" ASTM F876 PEX tubing. Based upon the ProPanel provided 8" on center spacing a tubing factor of 1.5 should be used. To determine the required amount of tubing, multiply the square footage of the area by 1.5. The result is the amount of tubing required to be installed into the panels. In addition, supply/return leader lengths must also be added depending upon the manifold/system connection location.