



Heating/Cooling
Radiant Panels

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The SPC Thermatile Plus is manufactured from a unique aluminium sandwich panel that is structurally rigid and is an excellent heat conductor. 12mm copper pipes are rolled into aluminium extrusions and mechanically fixed to the panel to provide permanent and efficient heat transfer.

The standard pipework is a serpentine coil with same end connections - opposite end connections can be supplied as an option. Prefitted insulation is fixed to the top of the panel to ensure that any heat loss above the panel is minimised. Where panels are to be freely suspended, a neat plastic edging trim is applied to conceal the edge and the insulation and to minimise convection.

There are five standard panel sizes, dimension shown below. Alternatively, non standard sizes are available on request.

Service connections to SPC Thermatile Plus panels utilizes 750mm long, 12mm OD flexible connection hoses, which simply push on to the ends of the 12mm copper pipe of the heat exchanger. Connection of multiple panels is shown below.

The hoses are non-toxic EPDM lined stainless steel overbraided, and are supplied on request. Extra hoses are available at extra cost and should be ordered at the same time as the panels, when the layout and the number of hoses has been determined.

DIMENSIONS		
Width (mm)	Length (mm)	Overall Depth (mm)
595	590	35 (+/- 5)
	1190	
	1790	
	2390	
	2990	
	3590	

WEIGHTS / VOLUMES			
Panel Size	Dry Weight (kg)	Wet Weight (kg)	Internal Volume (l)
595 x 590 mm	3.2	3.5	0.3
595 x 1190 mm	6.4	6.9	0.5
595 x 1790 mm	9.6	10.4	0.8
595 x 2390 mm	12.8	13.8	1.0
595 x 2990 mm	16.0	17.3	1.3
595 x 3590 mm	19.3	20.8	1.5

SANDWICH PANEL TECHNICAL DATA		
	Front Cover Sheet	Back Cover Sheet
Thickness (mm)	0.8	0.5
Surface	White RAL9010	Primered
Alloy / Condition	EN AW-5754 H42	EN AW-5182 H48
Proof Stress / Tensile Strength (N/mm ²)	150 / 220	290 / 350