



System overview

The Web Panel system is a low profile system for larger bore pipes. The system requires a levelling screed over the top of the pipe and panels.

The typical total thickness of the panel and screed would be 20 to 25mm.

We recommend using the approved Levelling compounds that have been tested with this product and prove to be compatible.

AmbiFibre Pro levelling

AmbiFibre Pro levelling compound is used at a 20mm thickness minimum for tile applications (please see the following page for further applications and thickness's required).

Its important to prime the floor prior to the Web Panels being stuck down otherwise the self adhesive backing wont adhere to the floor.

Benefits

- Thin build-up = 20 mm.
- High output - See output table.
- High flow 16 mm pipe.

Heat Output Table

SYSTEM TYPE	FLOOR COVERING	MEAN WATER TEMPERATURE									
		30°	30°	35°	35°	40°	40°	45°	45°	50°	50°
		Heat Output W/m ²	Floor Surface Temp °C	Heat Output W/m ²	Floor Surface Temp °C	Heat Output W/m ²	Floor Surface Temp °C	Heat Output W/m ²	Floor Surface Temp °C	Heat Output W/m ²	Floor Surface Temp °C
	Tiles	62.7	25.8	94.2	28.7	125.5	31.6	156.9	34.5	188.3	37.4
	LVT	52.7	24.9	79.1	27.3	105.5	29.7	131.9	32.2	158.3	34.6
	15mm Engineered Wood	41.7	23.8	62.5	25.7	83.4	27.7	104.3	29.6	125.1	31.5
	Carpet & Underlay (1.5 TOG)	34.5	23.2	51.7	24.7	69.0	26.3	86.2	27.9	103.5	29.5

*For Guidance only - all systems must conform to BS EN 1264

Technical data

The Web Panel can be combined with a pumped cement based flowing screed or an anhydrite (gypsum-based) flowing screed. This system creates a unique low profile warm water underfloor heating solution that delivers high outputs, even at low water temperatures. Also combined with much faster system response times compared to conventional inscreed systems

Flowing screed used with this system must meet the following minimum structural specifications:

Compressive strength (after 28 days) 30N/mm²

Flexural strength (after 28 days) 5N/mm²

In domestic environments subject to normal levels of foot traffic, the following minimum overall screed thicknesses should be observed.

Cementitious Flowing Screed

Resilient sub-floors

Tiles/Engineered wood flooring

Minimum overall screed thickness = 20mm

LVT/Linoleum/Carpet

Minimum overall screed thickness = 25mm

Compressed rubber mat or rigid insulation

Tiles/Engineered board/LVT/Lino/Carpet

Minimum overall screed thickness = 30mm

Anhydrite Flowing Screed

Resilient sub-floors

Tiles/Engineered wood flooring

Minimum overall screed thickness = 20mm

LVT/Linoleum/Carpet

Minimum overall screed thickness = 25mm

Compressed rubber mat or rigid insulation

Tiles/Engineered board/LVT/Lino/Carpet

Minimum overall screed thickness = 30mm

