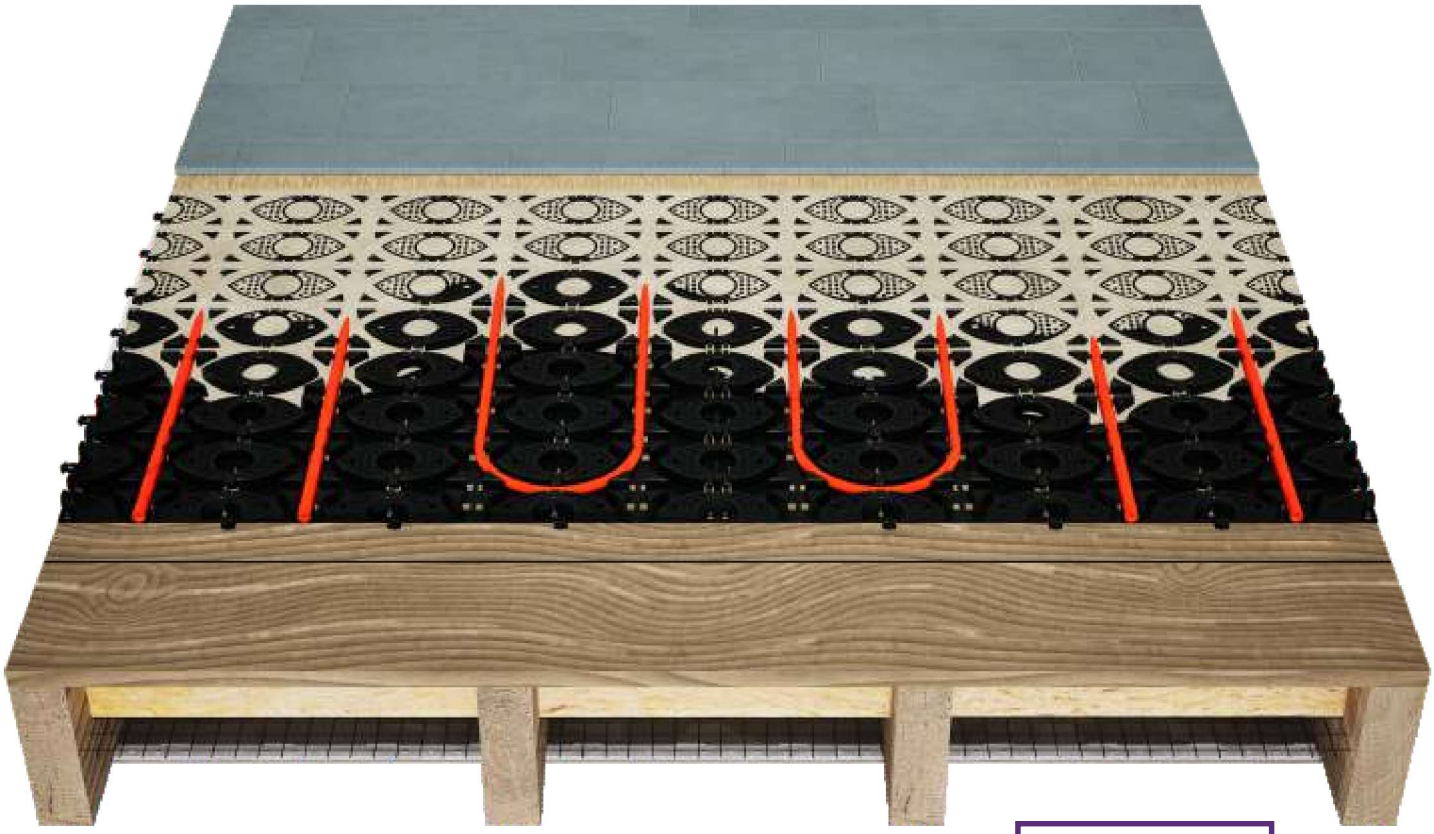
Made from 100% recycled plastic

Profix®

Low profile underfloor heating pipe retention panel



PATENTED

- **Ultra low profile - Only 15mm deep**
- **Accepts 10 and 12mm diameter pipes**
- **Suitable for all types of concrete & timber floors**
- **Self adhesive backing**
- **High-impact plastic, easily cut to size**
- **Suitable for systems using thin self-levelling screed or under a dry-fit HiDECK board**
- **Rapid heating response**

Designed & Manufactured in the UK

Profix®

PATENTED

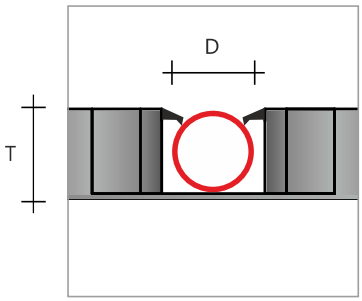
Low profile, underfloor heating pipe retention panel

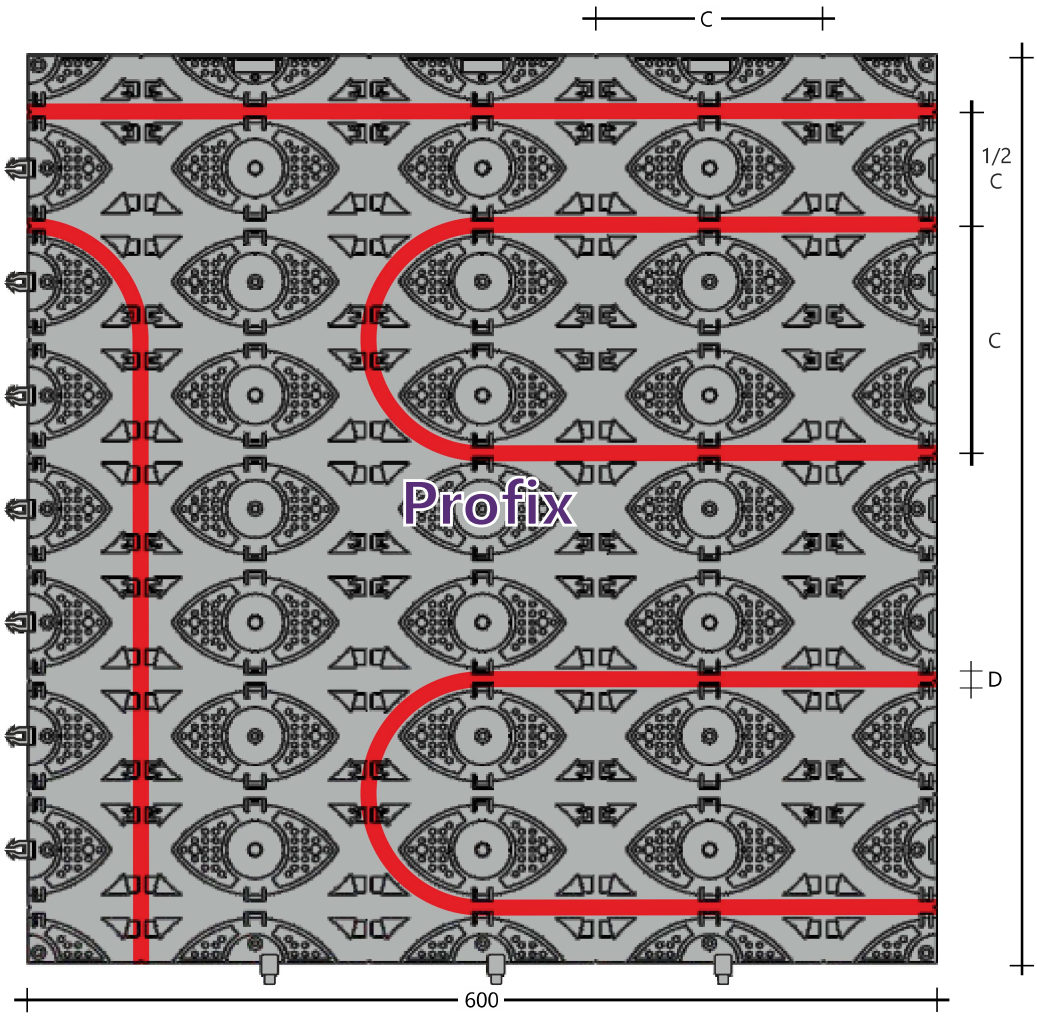
Technical specifications

Thickness - T	15mm
Panel size	600 x 600mm
Channel (to suit UFH pipe diameter) - D	10, 12mm
Pipe centre options - C	150, 300mm
Composition	100% recycled polypropelyne
Associated highway strip	EPIC Highway Clip Rail
Associated polyethylene edge strip	EPIC Pro Edge

Order quantity

Panels per pack	10 (3.6m²)
Packs per pallet	48
Min order qty	1 pack





Associated accessories

EPIC Pro Edge 75/AB
Perimeter edge rolls

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EPIC Highway Clip Rail

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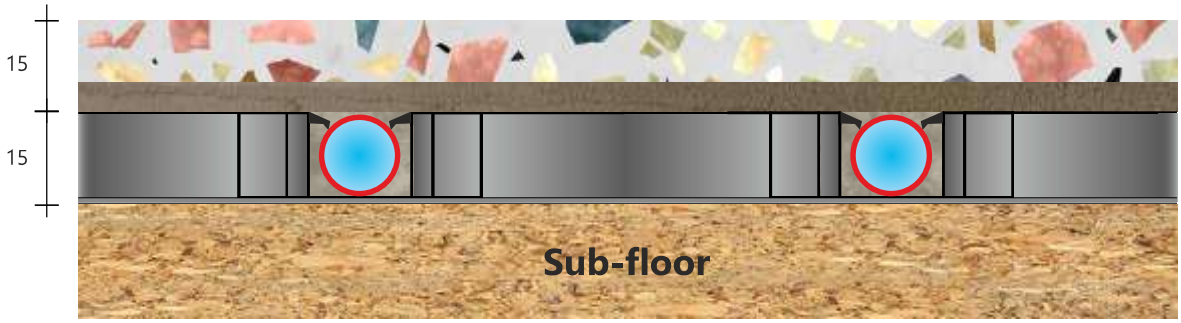
Colour of panel for illustration purposes only

Profix® Heat Output

Low profile, underfloor heating pipe retention panel + self-levelling screed



Floor covering	Mean water flow temperature									
	30°C		35°C		40°C		45°C		50°C	
	Output W/m²	Surface temp °C	Output W/m²	Surface temp °C	Output W/m²	Surface temp °C	Output W/m²	Surface temp °C	Output W/m²	Surface temp °C
Ceramic tiles	56.6	25.2	84.9	27.8	113.2	30.4	141.5	33.1	169.9	35.7
Luxury vinyl tiles (LVT)	40.2	23.7	60.3	25.6	80.4	27.5	100.5	29.3	120.6	31.1
Engineered wood (15mm)	37.0	23.4	54.0	25.1	75.0	26.4	91.3	28.2	109.8	30.1
Carpet and underlay (1.5 TOG)	30.0	22.8	45.0	24.1	60.0	25.5	75	29.9	90.0	28.3

Notes

The heat outputs quoted were determined using computer modelled finite element analysis. Each system type was simulated using a floor surface heat transfer coefficient of 10.8W/m²K, with the surrounding air volume at 30°C in order to achieve steady state conditions. The thermal properties of each material were considered, including, but not limited to the thermal conductivity, specific heat capacity and density. The diameter of the underfloor heating pipework used was 12mm, with a wall thickness of 1.0mm, fixed at 150mm centres. The flow rate of the water within the pipework was maintained at 1.0m/s, combining both laminar and turbulent flow conditions. The internal temperature was regulated at five different temperatures, namely 30°C, 35°C, 40°C, 45°C and 50°C, throughout each test until steady state conditions were achieved through convergence of each individual parameter. The performance of a warm water underfloor heating system can be influenced by many factors and differences in actual heat output achieved on site may be observed when compared with the values stated. Therefore the heat output data shown is indicative and should be used for comparative purposes between systems and floor covering only.

Screed thickness

The thickness of levelling screed is dependent on the floor finish to be applied.

- Ceramic / porcelain floor tiles: 12mm (min) - up to the top of the Profix panel.
- Luxury vinyl tiles: 15mm (min) - 3-5mm above the Profix panel.
- Engineered wood: 15mm (min) - 3-5mm above the Profix panel.
- Carpet and underlay: 15mm (min) - 3-5mm above the Profix panel.