

# SNUG

UNDERFLOOR HEATING

## SNUG CASTELLATION MAT SYSTEM



**FIRST TRACE**

HEATING DIRECT

Quayside Court, Navigation Way

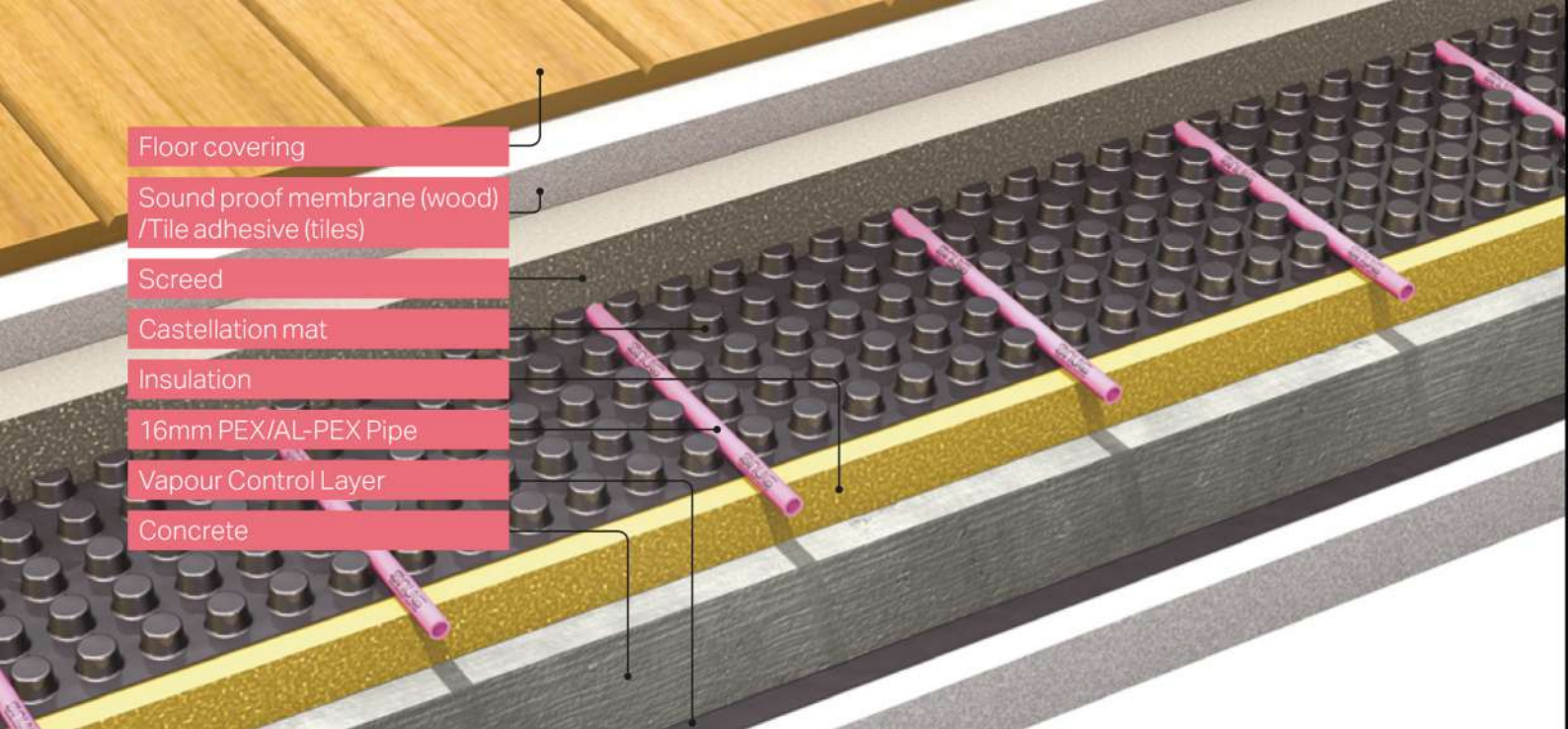
Docklands, Preston, PR2 2RZ

t: 01772 761333

f: 01772 761222

[sales@firsttrace.co.uk](mailto:sales@firsttrace.co.uk)

[www.first-traceheating.co.uk](http://www.first-traceheating.co.uk)



## Screed systems

### Castellation mats

#### What's unique about the Snug system?

- Our pipework can be laid at 45° angles, not just 90°.
- We use high temperature rated PEX pipe, rated as 98°C at 10 bar, rather than PERT pipe, which is only rated at 65°C.
- AL-PEX is WRAS approved, for extra peace of mind.

#### When should I choose them?

- When you have enough space. When laying direct on the subfloor you'll need a minimum height of 50mm (based on 50mm of liquid screed), but the ideal height is between 175mm and 225mm (based on 100mm to 150mm insulation and 75mm of screed).
- When it's important to get a system with the highest possible heat output.
- When you're looking for the most efficient option.
- When you want to achieve the most even heat.
- When you need to get your system installed quickly.
- When you're not using any insulation.

#### What are the benefits?

- They're the fastest system to install.
- They're really easy to fit.
- You can use them with any screed.
- You can use them with any flat floor finish.

- They're pre-spaced for you at 50mm.
- They're good for irregular shaped rooms.
- They generate outputs of up to 122w/m<sup>2</sup>.
- You don't need a vinyl sheet to separate the insulation from the screed.

#### System outputs based on BS EN 1264 Pt. (2)

FLOW TEMP °C	TILE	WOOD	CARPET (1.5 TOG)
55	122 w/m <sup>2</sup>	76 w/m <sup>2</sup>	66 w/m <sup>2</sup>
50	97 w/m <sup>2</sup>	61 w/m <sup>2</sup>	53 w/m <sup>2</sup>
45	73 w/m <sup>2</sup>	46 w/m <sup>2</sup>	40 w/m <sup>2</sup>
40	48 w/m <sup>2</sup>	30 w/m <sup>2</sup>	26 w/m <sup>2</sup>

#### Patterns you can use with this system

Suitable for either PEX or AL-PEX pipes (16mm x 2mm).



#### The dimensions

- Pipe size: 16mm ø.
- Maximum pipe length: 100m.
- Maximum area per manifold: 240m<sup>2</sup>.
- Maximum area covered by one circuit (at different spacings):

200mm	150mm	100mm
20m <sup>2</sup>	15m <sup>2</sup>	10m <sup>2</sup>