

INTRODUCTION

The ScreedPlate 0 system comprises of a series of interlocking castellated sheets, that have been purposely designed to avoid using fixings & staples in the floor and to speed up the installation of underfloor heating systems. ScreedPlate 0 can be installed over any rigid insulation. The panel is designed to allow pipes to be installed at spacings as close as 50mm and at 45° & 90° bends, providing additional flexibility.



SPECIFICATION

OMNIE ScreedPlate 0 system using 16.5mm PE-RT pipe to DIN 4726 inserted into overlapping ScreedPlates laid above insulation. Expansion foam to be installed around the perimeter of the room. The system to be designed, installed and commissioned to BS1264.

LAYFAST - Speed up installation time. This product uses a multidirectional pipe system.
For more information see DS UFH 22



TECHNICAL DETAILS

Panel Thickness

20mm

Panel Dimensions

1450mm x 850mm

Weight

1.1 kg/m² + Screed

Pipe Centres

150mm or 200mm for New Build

Pipe

16.5mm PE-RT to DIN 4726

Screed

Standard sand/cement screed of 65/75mm or a specialist thinner anhydrite or liquid screed (confirmation of thickness to be sought by screed supplier).

Existing Slab

Existing slab to meet at least SR2 (5mm deviation in 2m) requirements for floor regularity (BS8204) and preferably SR1 (3mm deviation in 2m).

Heat Outputs

Heat outputs are dependent on the water temperature, floor construction, system dimensions, floor finish & design conditions. Please call 01392 36 36 05 to discuss your specific requirements.

As a guide the heat outputs below are based on 16.5mm PE-RT pipe at 150mm centres with 65mm sand/cement screed laid over. Air Temperature = 20°C.

(0.15 m²K/W = 1.5 TOG.)

Floor Finish	55/48 (°C)	50/43 (°C)	45/38 (°C)	40/33 (°C)
Tile Finish (0.01m²K/W)	150 W/m²	126 W/m²	102 W/m²	78 W/m²
15mm Wood Finish (0.1m²K/W)	105 W/m²	88 W/m²	71 W/m²	54 W/m²
Carpet & Underlay (0.15 m²K/W)	88 W/m²	74 W/m²	60 W/m²	46 W/m²