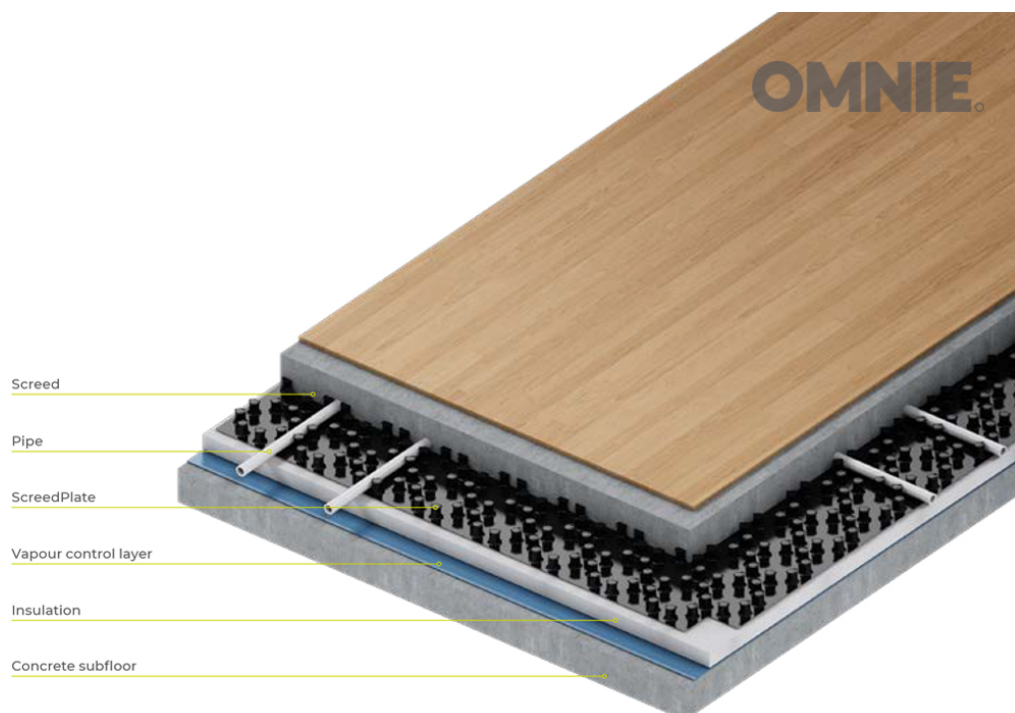


INTRODUCTION

The ScreedPlate 11 panel has been purposely designed to avoid using fixings and staples in the floor and to speed up the installation of underfloor heating systems. The ScreedPlate 11 system consists of a series of interlocking panels with an integrated 10mm expanded polystyrene insulation (EPS) layer. The castellations in the panel provide grip for the pipe, whilst also providing protection from site traffic before and while the screed is being laid.

ScreedPlate-11 can be installed over any sub-floor. Where floor build-up is limited the integrated 10mm EPS provides some resistance when the product is laid over an intermediate or ground bearing insulated floor. The panel is designed to allow pipes to be installed at spacing's as close as 50mm and at 45° & 90° bends, providing additional flexibility.



SPECIFICATION

OMNIE ScreedPlate-11 system using 16.5mm PE-RT pipe to DIN 4726 inserted into overlapping ScreedPlates with 10mm pre-bonded EPS. 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 our multidirectional pipe channel system. For more information see DS UFH 22



TECHNICAL DETAILS

Panel Thickness

30mm (Including 10mm EPS pre-bonded insulation - $K=0.038 \text{ W/mK}$)

Panel Dimensions

1450mm x 850mm

Weight

1.2 kg/m² + Screed

Pipe Centres

150mm and 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