



TIMÓLEON DATA SHEET T11007 - FOILBOARD ACOUSTIC BATTEN

FoilBoard System for Acoustic Batten Floor Constructions

INTRODUCTION

Our FoilBoard system is laid between battens at fixed centres. The FoilBoard panels are manufactured from expanded polystyrene insulation with pre-bonded soft temper aluminium. As no thick rigid plates are used the panels can be easily trimmed on site.

The panels are designed so that when a floor deck is laid over and fixed to the battens it will be in direct contact with the heat diffuser, ensuring good thermal transfer. The nature of the foilboard panel to transfer heat efficiently increases performance by over 30% compared to systems that do not use heat diffusers.

The panels are held in place with brackets that ensure the floor and panels move together maintaining contact.

The standard product is available in thicknesses from 50mm to 100mm and for a variety of batten centres.

INSTALLATION

1. Lay 50mm battens at 400mm centres and to best practice.
2. Fix brackets to the side of the battens.
3. Between each batten lay the FoilBoard loop panels at the each end of the run.
4. Lay FoilBoard straight panels between the loop end.
5. Notch the batten wherever the pipe will pipe will cross.
6. Starting at the manifold, lay the pipe into the FoilBoard according to the design.
7. Pressure test each circuit prior to laying floor deck and finish.

Note : Please refer to installation guides for full installation details

SPECIFICATION

Timoleon Foilboard Batten system using 15mm PB pipe to BS7291 installed into FoilBoard panels comprising of 50mm expanded polystyrene with pre-bonded heat diffusers to be installed between 50x50mm acoustic battens at 400mm centres. Floor Deck to be laid and fixed over. The system to be designed, installed and commissioned to BS1264.

TECHNICAL INFORMATION

Pipe – 15mm x 1.7mm EVOH oxygen barrier PB pipe to Class S BS7291.

Foilboard Batten Panel – CHD grade expanded polystyrene panel with pre-bonded soft temper aluminium ($k=0.038W/mK$). Straight panel dimensions 1200mm x 345mm x 50mm. Loop panel dimensions 600 x 345 x 50mm (for 400mm centre battens, other sizes and thicknesses available)

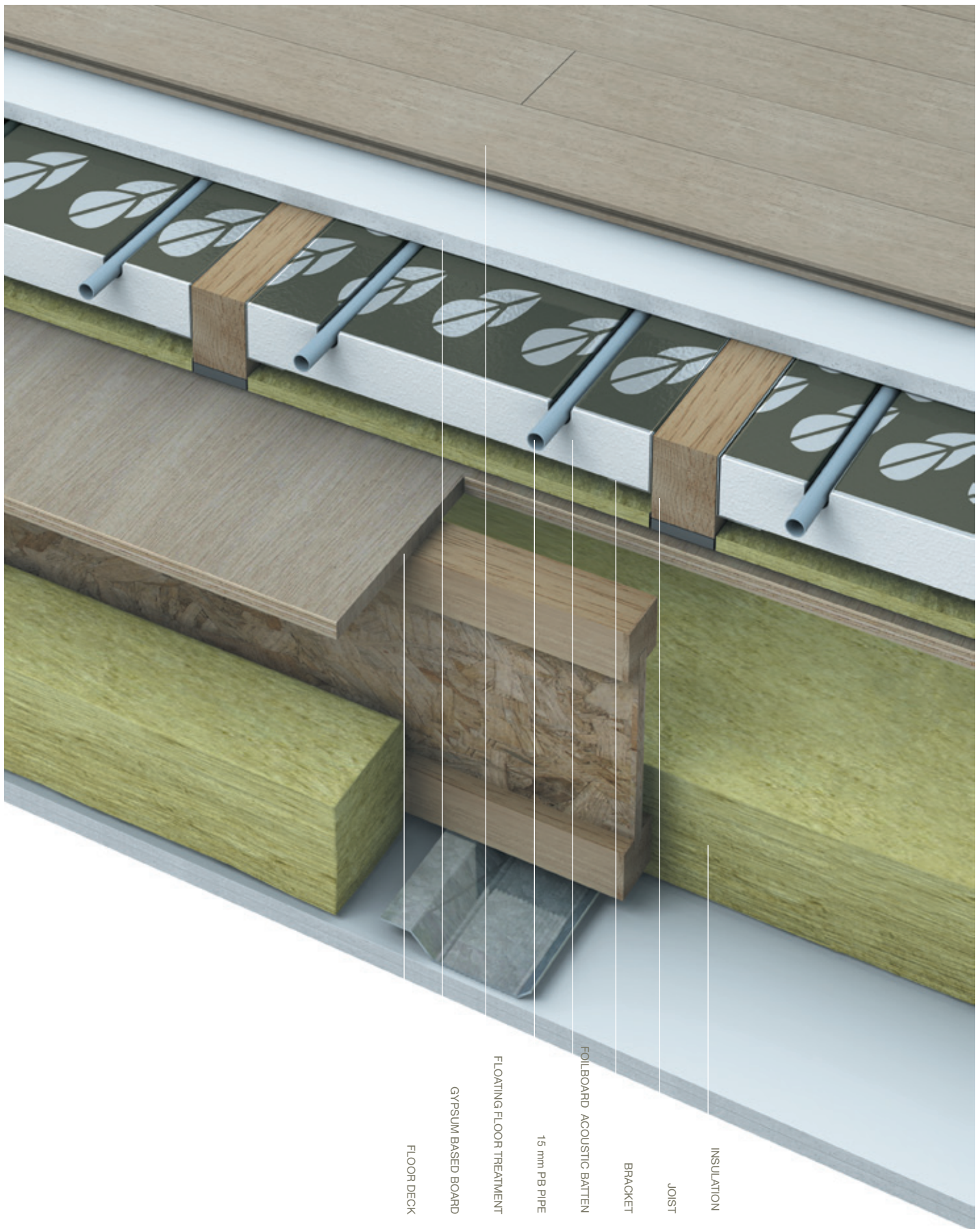
Heat outputs are dependent on the water temperature, floor construction, system dimensioning, floor finish & design conditions. Please call 01392 363605 for advice.

Heat Output Table (W/m ²)	Flow & return water temperature (°C)		
	50/40	45/35	40/30
Floor Finish			
Tile Finish (0.01m ² K/W)	56	45	33
15mm Wood Finish (0.1m ² K/W)	48	38	28
Carpet & Underlay (0.15 m ² K/W)	43	34	25

Based on 15mm PB pipe at 200mm centres using standard product (**high performance configurations available**) with 22mm chipboard laid over. 0.15 m²K/W = 1.5 TOG.

saether
RANGE

TIMÓLEON DATA SHEET TI1007 - AETHER FOILBOARD SYSTEM



? Call the project team on
01392 363605

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