



TIMÓLEON DATA SHEET TI1012 - AB PLATE SYSTEM

AB Plate System For Acoustic Batten Constructions

INTRODUCTION

The AB Plate is suitable for Acoustic Batten Constructions. The AB Plates are pre-formed diffuser plates designed to be installed over acoustic battens. The modules have integrated insulation to ensure the performance and output through the floor deck. The “wings” of the module are angled slightly upwards so that when the floor deck is laid there is guaranteed contact. The system complies with the requirements of an underfloor heating system in an acoustic RD construction.

INSTALLATION

1. Lay the acoustic battens and insulation quilt to manufacturer's instructions
 2. Fix the plates to the top of the joist, snapping the plate to fit where the plate needs to be trimmed
 3. Fix the plates to the batten through the centre hole
 4. With the plates installed insert the pipe into the modules following the drawing. The circuit will start and finish at the manifold.
 5. The pipe should be pressure tested and left under pressure while the gypsum layer and floor deck are installed to complete the floor deck.
-

SPECIFICATION

Timoleon AB Plate system with pre-formed insulated modules to be installed over acoustic battens laid at 400 to 450mm centres with grooves for 16mm PE-RT pipe.

TECHNICAL INFORMATION

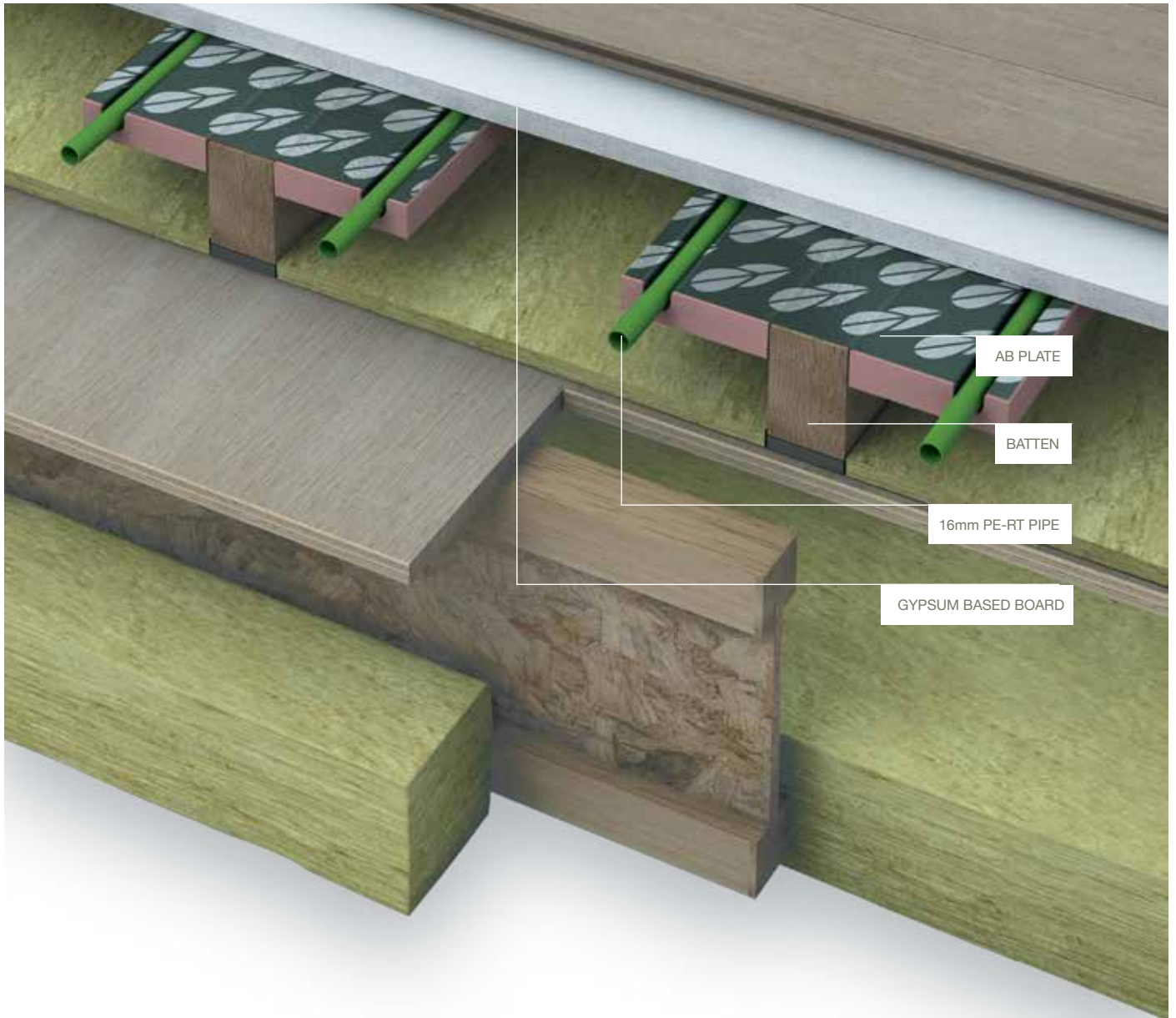
Pipe – 16mm PE-RT pipe with EVOH oxygen barrier.

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)	51	40	30
	15mm Wood Finish (0.1m ² K/W)	45	36	26
	Carpet & Underlay (0.15 m ² K/W)	38	30	22

Based on 16mm PE-RT pipe at 200mm centres with 18mm chipboard laid over (additional 10mm ply with tiles).
Air Temperature = 20°C

TIMÓLEON DATA SHEET TI1012 - AB PLATE SYSTEM



? Call the project team on
01392 363605

timoleon