

DURABELLA DESIGN A DECK

Designers, Manufacturers & Suppliers of Quality Acoustic & Sports Flooring Systems

Durabella Design A Deck
 Unit 4 Newbridge Industrial Estate
 Pitt Street, Keighley, West Yorks, BD21 4PQ
 tel 01274 533311 fax 01274 533366
 info@durabella.com
 www.durabella.com

Data Sheet

Underfloor heating for high level floating floors, 12mm pipes with foil aluminium diffuser strips rebated into structural board with 6mm ply or 18mm Duraboard for optimum performance

Advantages:

Quick and easy pipe installation

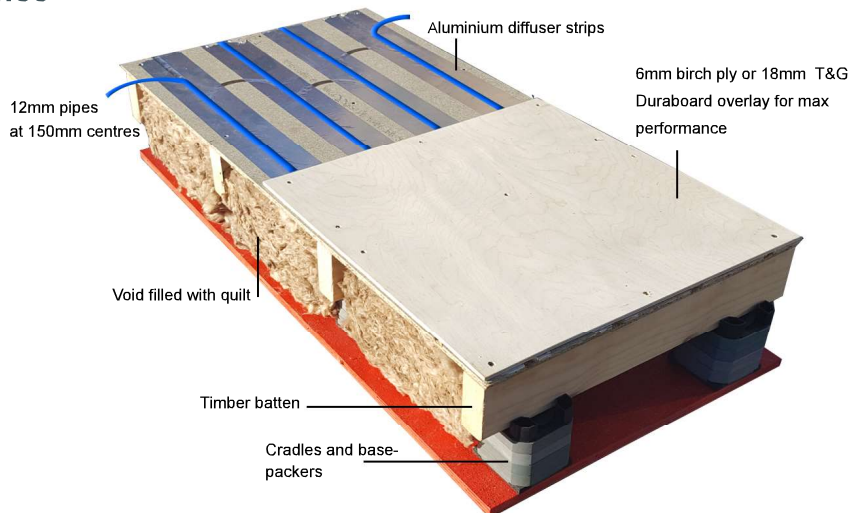
No need for screed

Increased speed of heating up and minimal heat loss in return flow with heat through the floor surface

Freedom to use various materials for floor finishes

Adjustable from 600mm centres to 300mm centres with ease and no impact to the speed at which the heating system can be installed

No end notching of battens is required for pipe return



Multilayer pipe: a pipe with an anti-diffusion barrier. High resistance to creeping in higher temperatures

- low sensitivity to accumulation of stress
- not prone to induce stress related cracks
- high resistance to abrasion
- very low gas permeability

Aluminium foil with 12mm pipe

12mm pipe in Aluminium foil strips at 150mm centres are used for installing underfloor heating systems with the use of wet or dry technology.



Flow Chart Table

	Floor Finish Resistance m2k/w	Pipe PE RT	Room Temp °C	Flow Out °C	Flow Return °C	Heat Output (W/m2)	Av Floor Temp °C
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	15mm Timber (0.1)	12x2mm	21	45	35	44	25.2
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	15mm Timber (0.1)	12x2mm	21	50	40	56	26.3
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	15mm Timber (0.1)	12x2mm	20	45	35	46	24.5
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	15mm Timber (0.1)	12x2mm	20	50	40	58	25.5
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	18mm Timber (0.13)	12x2mm	21	45	35	41	25
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	18mm Timber (0.13)	12x2mm	21	50	40	53	26
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	18mm Timber (0.13)	12x2mm	20	45	35	44	24.2
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	18mm Timber (0.13)	12x2mm	20	50	40	55	25.2
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	Carpet (0.15)	12x2mm	21	45	35	39	24.9
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	Carpet (0.15)	12x2mm	21	50	40	50	25.8
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	Carpet (0.15)	12x2mm	20	45	35	42	24.1
Durabella Routed board 150mm C/C with 6 mm Structure Ply Overlay	Carpet (0.15)	12x2mm	20	50	40	52	25