

ThermoSphere Foil



An award winning electric underfloor heating foil system designed for dry installation under wood, carpet and vinyl floor finishes.

- Heat exchange foil conducts heat from the cables and exposed cable loops make installation easy.
- Always install HDF Overlay Boards with floor finishes other than engineered timber, and engineered timber less than 10mm thick.
- Continuous earth sheath provides complete earth protection for the whole system with no extra aluminium tapes or earth connections required.
- Simple and flexible loose lay installation process.
- Install with cushioning underlay and overlay to improve the feel of the floor underfoot, protect foil and cables from wear, and add 19dB of acoustic insulation.

Technical data

Voltage	230V 50Hz
Output	140W/m ²
Total thickness	2mm
Mat sizes	1 to 12m ²
Protection rating	IP68
Foil material	Aluminium fibre
Cable insulation	FEP
Impact sound reduction	19dB
Recommended max temp	27°C (Limited by controls)
Country of origin	China
Warranty	Lifetime (Online registration required)



ThermoSphere manufactures underfloor heating products in Marden, Kent. However, some accessory products are imported from trusted sources. To make it easy to tell where a product is from you'll find the country of origin stated on all product data sheets. Please visit our website for more information.

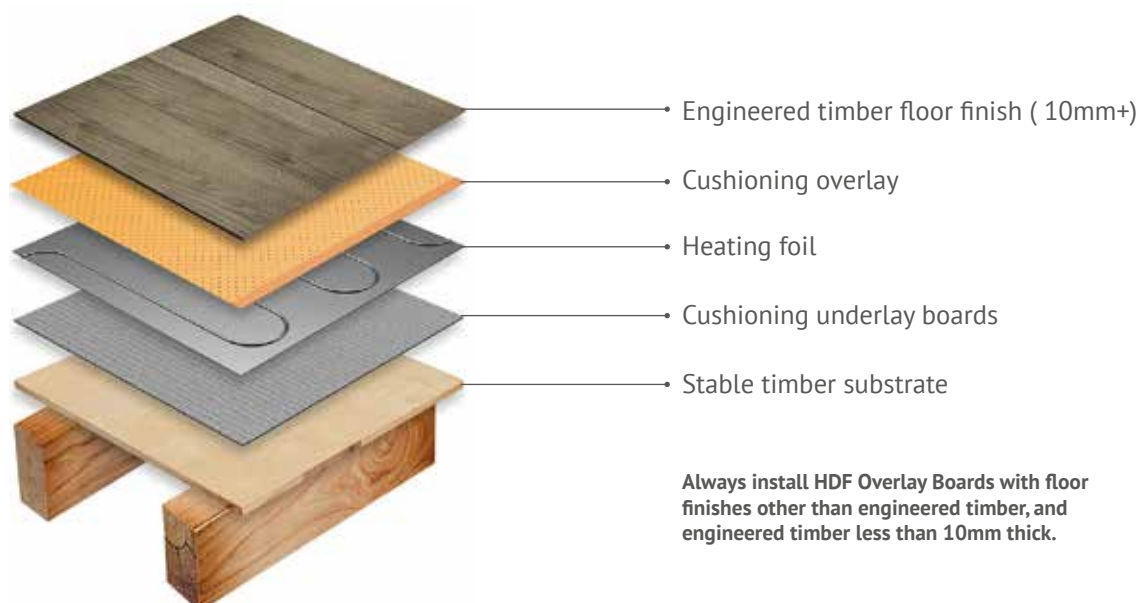
Mandatory cushioning underlay and overlay

Code	Description	Area (m ²)	Size	Unit
WCVF-CUSHU-01	Cushioning Underlay	0.6	1.2m x 0.5m x 5mm	1 board
WCVF-CUSHU	Cushioning Underlay	6	1.2m x 0.5m x 5mm	10 boards
WCVF-HFCO-01	Cushioning Overlay	1	1m x 1m x 2mm	1 panel
WCVF-HFCO-10	Cushioning Overlay	10	1m x 10m x 2mm	1 roll

Optional installation accessories

Code	Description	Area (m ²)	Size	Unit
WCVF-HDFO	HDF Overlay Boards	2.88	1.2m x 0.5m x 7mm	4 pairs
WCVF-CBHO	Cement Overlay Boards	0.72	1.2m x 0.5m x 5mm	1 pair
FT-050	Fixing Tape		50mm x 50m	1 roll
GHC-ATP-01	Aluminium Tape		50mm x 50m	1 roll

Typical dry lay floor build up with engineered timber flooring



Sizes and outputs

Code	Length (m)	Area (m ²)	Output (W)	Resistance (Ω)
WCVF-140-0100	2 x 0.5	1.0	140	337.9
WCVF-140-0150	3 x 0.5	1.5	210	251.9
WCVF-140-0200	4 x 0.5	2.0	280	188.9
WCVF-140-0250	5 x 0.5	2.5	350	151.1
WCVF-140-0300	6 x 0.5	3.0	420	126.0
WCVF-140-0400	8 x 0.5	4.0	560	94.5
WCVF-140-0500	10 x 0.5	5.0	700	75.6
WCVF-140-0600	12 x 0.5	6.0	840	63.0
WCVF-140-0700	14 x 0.5	7.0	980	53.9
WCVF-140-0800	16 x 0.5	8.0	1120	47.2
WCVF-140-0900	18 x 0.5	9.0	1260	41.9
WCVF-140-1000	20 x 0.5	10.0	1400	37.8
WCVF-140-1200	24 x 0.5	12.0	1680	31.5



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