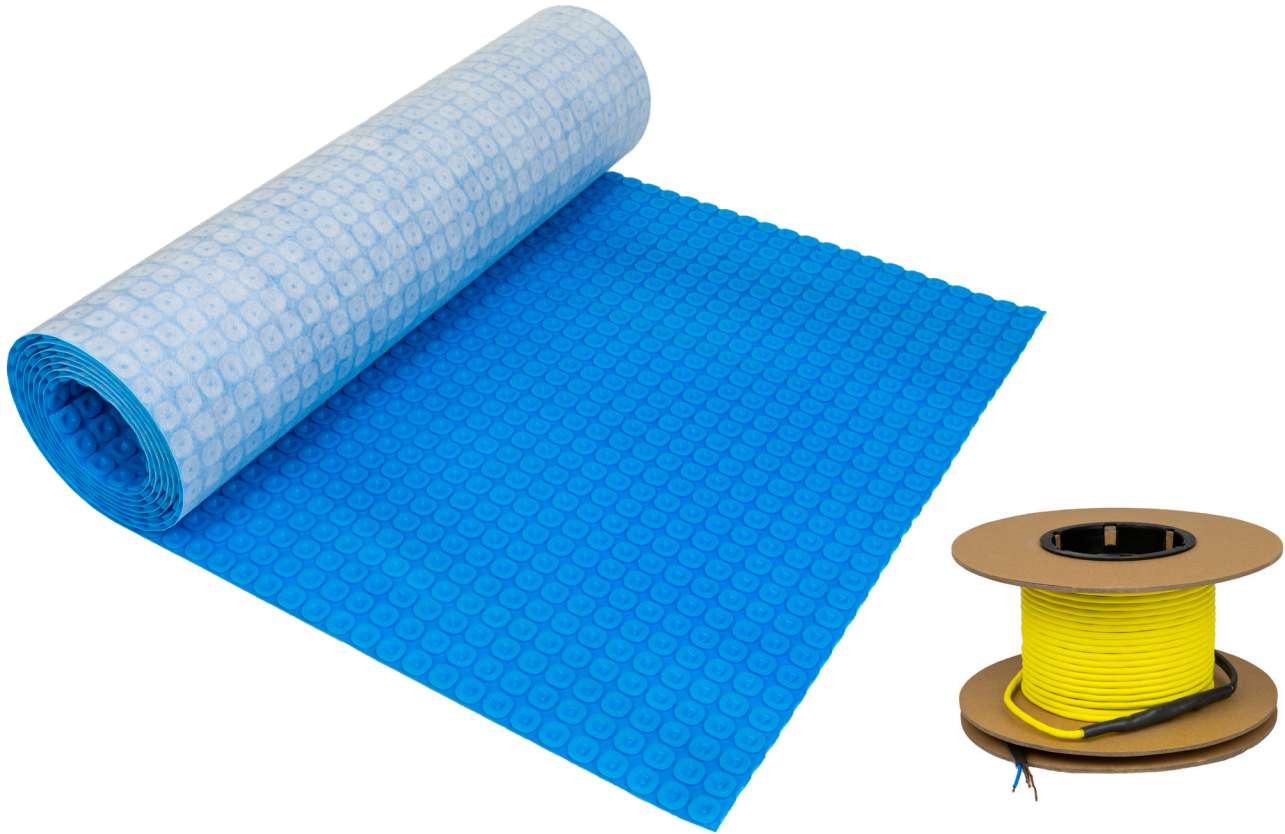


thermo Sphere

Electric Underfloor Heating and Decoupling Membrane



A combined electric underfloor heating and decoupling membrane tested for extra heavy use under tiled floors.

- Holds ThermoSphere membrane heating cables at variable spacing depending on the heating output required.
- Decoupling properties neutralise lateral movement in tiled floors and minimise the risk of cracking.
- Creates a waterproof layer within the floor when used with waterproofing products.
- Simple and flexible installation process.
- Can also be used under tiled walls.

Technical data

Voltage	230V 50Hz
Outputs	130 or 195W/m ²
Total thickness	5.5mm
Cable Length	12 to 200m
Protection rating	IP68
Membrane material	Polypropylene
Cable insulation	FEP and HR-PVC
Robinson test rating	Extra heavy use
Recommended max temp	27°C (limited by controls)
Warranty	Lifetime

Membrane sizes and outputs

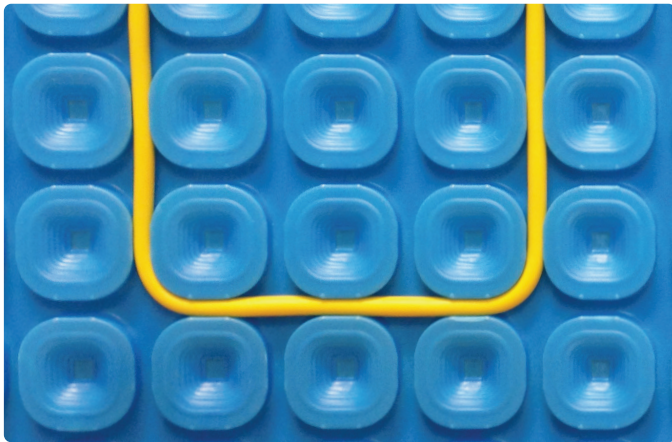
Code	Description	Area (m ²)	Size (M)	Unit
HDM-001	Decoupling membrane 1m ²	1	1 x 1	Panel
HDM-005	Decoupling membrane 5m ²	5	5 x 1	Roll
HDM-015	Decoupling membrane 15m ²	15	15 x 1	Roll

Cable sizes and outputs

Code	Length (m)	Area 130W/m ²	Area 195W/m ²	Output (W)	Resistance (Ω)
HDMC-012-0150	12	1.15	0.8	150	352.7
HDMC-018-0225	18	1.73	1.15	225	235.1
HDMC-025-0300	25	2.31	1.54	300	176.3
HDMC-031-0375	31	2.88	1.92	375	141.1
HDMC-037-0450	37	3.46	2.31	450	117.6
HDMC-050-0600	50	4.62	3.08	600	88.2
HDMC-061-0750	61	5.77	3.85	750	70.5
HDMC-075-0900	75	6.92	4.62	900	58.8
HDMC-100-1200	100	9.23	6.15	1200	44.1
HDMC-125-1500	125	11.54	7.69	1500	35.3
HDMC-150-1800	150	13.85	9.23	1800	29.4
HDMC-200-2400	200	18.46	12.31	2400	22.0

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Variable output

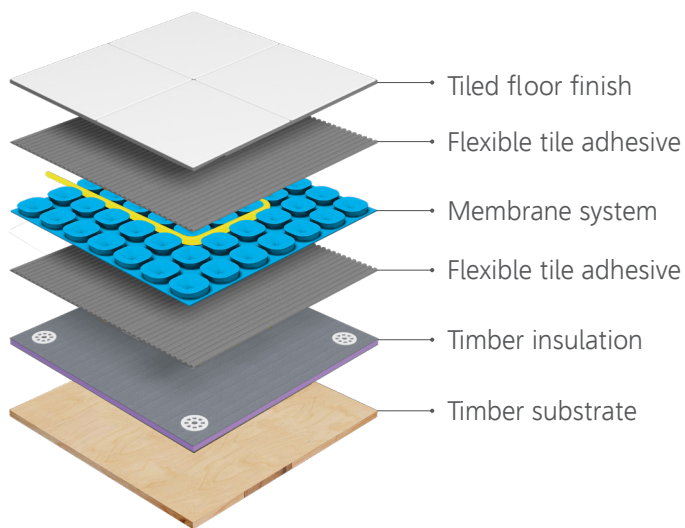


130W/m² at 3 dimple spacing



195W/m² at 2 dimple spacing

Tiled floor build up on a timber sub floor



Tiled floor build up on a concrete sub floor

