



MAGNUM® Enercable

Electrical under floor heating cable in concrete screed.

Enercable is an under floor heating system which is suitable for almost every situation and floor construction. Enercable is an ideal "invisible" heat source with no clutter from pipes and radiators.

The system offers complete freedom in the location of furniture and internal room divisions; it is totally silent and maintenance-free. The system makes optimal use of the heat storage properties of the floor to promote even heat delivery. This ensures extremely comfortable and pleasant floor temperature. Fitting a separate built-in digital clock thermostat within each room allows each space to be heated according to individual heating requirements and in line with the level of occupation. This allows the maximum comfort in an extreme efficient and energy-conscious manner.

Enercable can be installed in virtually any shape or size of room. The total constructional depth required (finishing floor screed and heating system) is approximately 30 mm for non-floating floors. Where extra floor insulation is used (e.g. floating floors) the minimum constructional depth required is 65mm. The

cable can be fixed to concrete reinforcing mesh using tie raps or directly to the concrete sub floor using spacer strips.

Enercable electrical under floor heating provides advantages in comparison to water based floor heating systems:

- Suitable as main* or auxiliary heating source
- Very easy to install
- Very easy to use
- No water: no risk of water leakage!
- No break and cutter work necessary
- To be installed directly under the top layer.
- Every room can have its own thermostat
- The highest possible level of comfort
- Extremely efficient and energy-conscious
- No maintenance costs

* Main heating is not possible in all situations. For more information contact Enerfoil magnum Ltd



Applications:

- Living rooms
- Bathrooms
- Kitchens
- Conservatory
- Hall / Toilet
- Offices
- Canteen
- Showrooms etc. etc.
- Flats/Apartments

Sectors:

- Utility buildings and industry
- Renovation
- Logistic centres
- Hospitals
- Offices
- Stores
- Recreation

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Technical data

Enercable is a complete floor heating set consisting of:

- Floor heating cable
- Programmable digital clock thermostat with setback function
- Floor sensor
- Flexible pipe for installing the floor sensor
- Spacer Strips
- Installation and user manual

Technical data Enercable floor heating cable:

- EMF-free 2-conductor cable with 4 meter 3-core power cable
- Fully surrounded by aluminium ground screen
- Chrome/ nickel resistance wire.
- XLPE insulation
- PVC protection screen
- 17 watt per meter length, 230 Volt.
- Produced and controlled according to IEC 800 regulations.
- VDE approved
- CE certification within Europe.
- ISO 9001 certified producer
- 10 year guarantee.

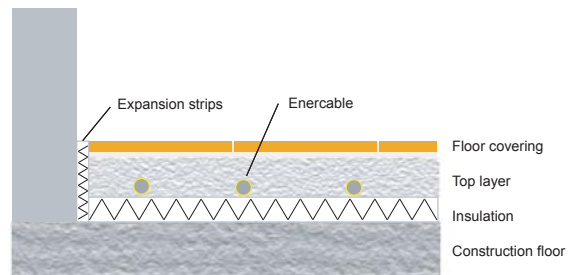
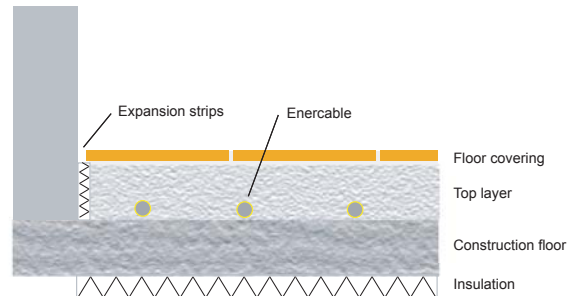
The cable is Twin conductor which means you only have a return wire from one end of the cable for ease of Installation. Enercable can be Installed in small and large areas*

The unique heating cables are provided with a 2 m power cable with extra aluminium shielding under the outer layer to neutralise electromagnetic currents, making the Enercable totally EMC free! This means that the cable has no disturbing effects on computers, televisions, mobile phones, medical equipment etc.

Enercable can be attached to the under floor in different ways:

- Using aluminium tape on dovetail sheets
- Using tie-wraps on reinforcement grid mesh
- Using MAGNUM Spacerstrips on base floor

*for an exact power calculation please contact Enerfoil magnum Ltd



Article #.	Power	Amperage	Ohm	Voltage	Cable length
100305	300 watt	1,3 A	177	230 V	17,6 m
100505	500 watt	2,2 A	109	230 V	29,3 m
100705	700 watt	3,0 A	76	230 V	41,0 m
101005	1000 watt	4,3 A	53	230 V	59,0 m
101255	1250 watt	5,5 A	42	230 V	73,4 m
101705	1700 watt	7,4 A	31	230 V	100,0 m
102105	2100 watt	9,0 A	25	230 V	124,0 m
102605	2600 watt	11,3 A	20	230 V	153,0 m
103205	3300 watt	14,3 A	16	230 V	194,0 m

*for a specific calculation please contact Enerfoil Magnum

Available options:

Article #.	Description
720300	MAGNUM spacer strips

