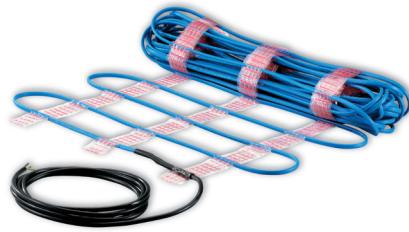


Description



EM2-CM is a constant output heating mat for simple, fast, and effective ramp and accessway heating to prevent snow and ice formation. The "Roll-out" mat configuration allows fast installation whilst ensuring the required power output is installed.

The pre-terminated EM2-CM mat comes complete with a 4m cold lead, removing the need for on-site termination activities. Simply install the

heater over the required area and connect the cold lead to the power junction box and "Smart" control unit.

The EM2-CM mat is particularly suited to track heating of ramps, loading bays, and driveways, but also emergency escape routes and pedestrian walkways.

Advantages

Design phase

- Simple design
- Pre-defined power output
- Variety of sizes available to meet project requirements.

Installation phase

- Pre-terminated heating mat requires no onsite cold lead or end seal connections.
- Heating mat can be simply rolled out over the required surface prior to the cement pour.
- No need to measure cable spacing to ensure a consistent heat output per m² – the mat has a pre-determined fixed heat output of 300W/m².

The applications

- Perfect for tyre track heating – 600mm wide heated track.
- Pedestrian walkways – Pavement heating to reduce personally injury liability around commercial buildings, hospitals etc.
- Emergency exits – Keeping escape routes clear and safe.

Technical Data

| | |
|-------------------------------|---|
| Nominal Power: | 300W/m ² |
| Voltage: | 230Vac |
| Maximum Exposure Temperature: | 65°C |
| Minimum Install temperature: | +5°C |
| Dimensions: | Mat width of 600mm. Length dependent upon mat size ordered. |
| Circuit Breaker required: | Type C |
| RCD: | 30mA |
| Cable Construction: | Twin core, constant power output heating mat. |
| Certification: | CE, VDE |

Related Products

VIA-DU-20 Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.

Packaging and ordering references

EM2-CM ramp heating mat is available in the following sizes:

| Product name | Order reference | Mat size | Surface |
|----------------|-----------------|------------|---------------------|
| EM2-CM-Mat-2m | 1244-004887 | 2m x 0,6m | 1,2 m ² |
| EM2-CM-Mat-3m | 1244-004888 | 3m x 0,6m | 1,8 m ² |
| EM2-CM-Mat-4m | 1244-004889 | 4m x 0,6m | 2,4 m ² |
| EM2-CM-Mat-5m | 1244-004890 | 5m x 0,6m | 3,0 m ² |
| EM2-CM-Mat-7m | 1244-004891 | 7m x 0,6m | 4,2 m ² |
| EM2-CM-Mat-10m | 1244-004892 | 10m x 0,6m | 6,0 m ² |
| EM2-CM-Mat-13m | 1244-004893 | 13m x 0,6m | 7,8 m ² |
| EM2-CM-Mat-16m | 1244-004894 | 16m x 0,6m | 9,6 m ² |
| EM2-CM-Mat-21m | 1244-004895 | 21m x 0,6m | 12,6 m ² |

Pre-installation ground preparation

The heating mat should be installed on a stable subsurface. In suspended structures the substratum may consist of finished slabs, pre-stressed concrete or a suspended structure with poured concrete. The heating mat can be laid on all subsurfaces. In the case of poured concrete, it should be ensured that the surface is smooth and all sharp objects are removed. Ramps on a solid substratum do not require any additional thermal insulation. Appropriate preparations should be made for installing the temperature and moisture sensor.

Installation Instruction

Complete installation instructions are supplied with the product and are available electronically from Tyco Thermal Controls. Please request installation instruction reference: INST-272.

Specification guideline

A product specification guideline is available upon request from Tyco Thermal Controls. It is also available online at:

http://www.tycothermal.com/uk/english/snow_melting/

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