EM2-MI

Raychem

EM2-MI cable

DESCRIPTION



Raychem EM2-MI is a constant output heating cable for simple, fast, and effective ramp and accessway heating to prevent snow and ice formation.

The pre-terminated EM2-MI cable comes complete with 3 m cold leads at each end of the heater, removing the need for on-site termination activities. Simply install the heater over the required area and connect the cold leads to the junction box and “Smart” control unit.

The EM2-MI heating cable is designed for installation in high temperature applications. The product can be installed directly under hot-poured asphalt followed by mechanical high pressure roller.

ADVANTAGES

Design phase

- Simple design.
- Variable power output dependent upon cable spacing (up to 300 W/m^2)
- Variety of sizes available to meet project requirements.

Installation phase

- Pre-terminated heating mat requires no onsite cold lead or end seal connections.
- Heating cable can be fixed to an existing reinforcement bar or with fixing strips from Chemelex.
- Extremely robust and resistant to installation damage.

The applications

- Excellent for irregular shaped areas.
- Vehicle accessways and loading bays.
- Applications under hot-poured asphalt.
- Suitable for the mechanical processing of mastic asphalt and road asphalt.

TECHNICAL DATA

Nominal Power:	50 W/m
Voltage:	230 Vac
Maximum Exposure Temperature:	250°C
Minimum Install temperature:	–20°C
Dimensions:	6 mm
Circuit Breaker required:	Type C
RCD:	30 mA
Cable Construction:	Mineral Insulated (MI) heating unit with pre-terminated 3 m cold leads.
Certification:	CE

RELATED RAYCHEM PRODUCTS

Elexant 650c-Modbus	Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.

PACKAGING AND ORDERING REFERENCES

EM2-MI ramp heating cables are available in the following sizes.

Product name	Order reference	Description
EM2-MI-Pack-26m	075548 – 000	MI Ramp heating element 26 metres
EM2-MI-Pack-36m	772132 – 000	MI Ramp heating element 36 metres
EM2-MI-Pack-48m	625519 – 000	MI Ramp heating element 48 metres
EM2-MI-Pack-60m	375228 – 000	MI Ramp heating element 60 metres
EM2-MI-Pack-70m	686868 – 000	MI Ramp heating element 70 metres
EM2-MI-Pack-88m	268364 – 000	MI Ramp heating element 88 metres

PRE-INSTALLATION GROUND PREPARATION

The heating cable 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 cables can be laid on all sub-surfaces including reinforcement grids/bars. 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 Chemelex. Please request installation instruction reference: INST-188.

SPECIFICATION GUIDELINE

A product specification guideline is available upon request from Chemelex. It is also available online at: www.chemelex.com

UK / Ireland

Tel 0800 969 013
SalesUK@chemelex.com

chemelex
excellence is everything

Raychem Tracer Pyrotenax Nuheat

©2026 Chemelex. All Chemelex marks and logos are owned or licensed by Chemelex Europe GmbH or its affiliates. All other trademarks are the property of their respective owners. Chemelex reserves the right to change specifications without notice.

RAYCHEM-DS-CDE1228-EM2MI-EN-2611