

The

FLOOR HEATING WAREHOUSE

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APPROVED
to comply
with the
17th Edition
Wiring
Regulations

Clear walkways,
pavements and drives

ECOFLEX

ice prevention & snow melting cable

DESCRIPTION

In the winter months, serious injury can occur from the formation of ice on work platforms in warehouse loading bays or on entrance walkways to busy public buildings etc. This potential hazard can easily be minimised by installing an ice prevention system.



In the case of snow fall, an ice prevention system will quickly melt any snow that falls providing clear, access for pedestrians and vehicles on pavements and drives.

MPSV heating cables are rated at 20 Watts/m and used for ice and snow melting of outdoor areas and other applications where the cable is embedded in concrete.

The most common application in industry is heating of ramp or loading platforms in factories and warehouses, where an ice prevention system can reduce the risk of accidents and ensure work can be carried out at all times. There are however a variety of applications for ice and snow melting. All these applications can be kept free from ice and snow so heavy salting and snow shovelling are avoided. These include: car parks; garage drive ways; pavements and outdoor steps.

FEATURES

Approved to IEC 60800

20W/m provides clear, safe access for pedestrians and vehicles on pavements and drives.

Tough & durable heating cable

Suitable under concrete, pavements and asphalt

4.8-5.6mm thick heating cable with UV protective outer insulation

230V supply, IP 67 Rated

Single conductor cable with full screen protection

Power loading - 20W/m

2 x 5m cold connection leads

Temperature range - -20°C up to + 80°C



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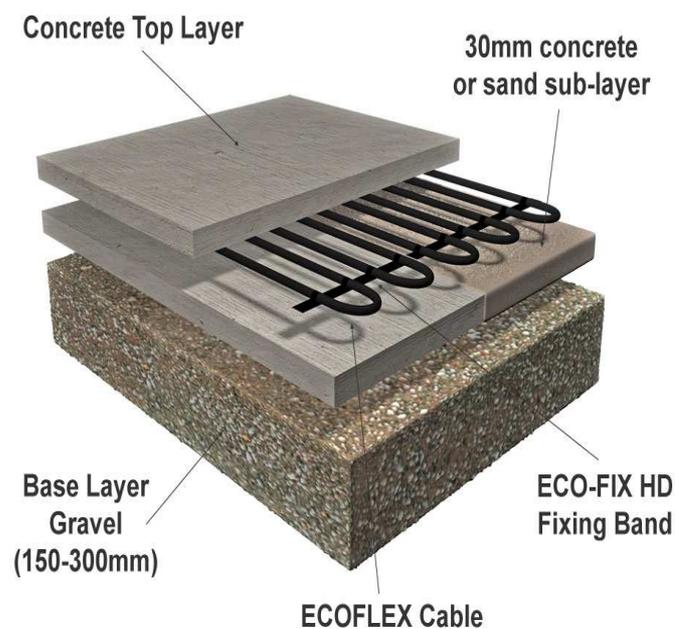
System Construction

Introduction

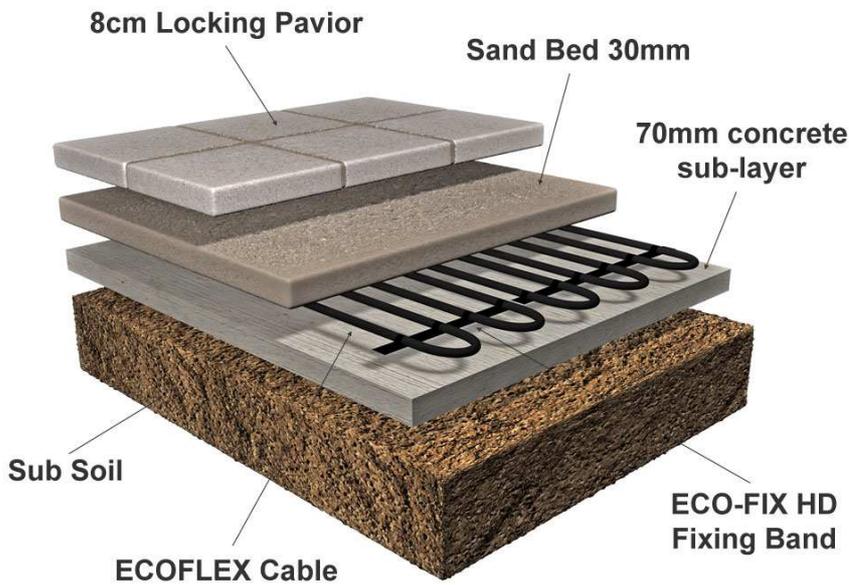
MPSV cables should be installed in a sand bed or concrete layer. For effective and efficient operation it is best to install a layer of insulation material below the cable. This will prevent heat being lost to the sub-soil. A suitable compression & moisture resistant polyurethane insulation is recommended.

CONCRETE

Cables can be laid and spaced using the ECO-FIX HD fixing band. The heating cable should be installed between two layers of concrete. Install the cable over the bottom layer using the ECO-FIX HD strip and then pour the top layer of concrete. The concrete mixture must not contain sharp stones as these may damage the cable.

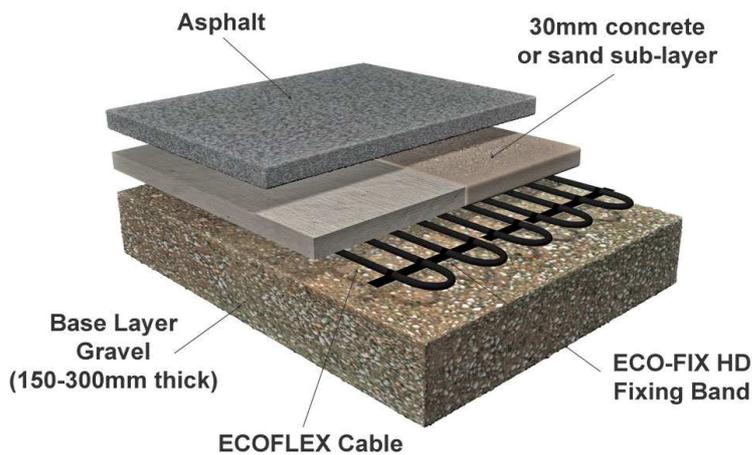


CONCRETE PAVIORS



Care should be taken when installing under concrete paviors. To be effective the cables have to be installed close to the concrete pavior, typically in a 30mm layer of sand

ASPHALT



To protect the cables from the heat of the asphalt during installation, the cables should first be covered with a 30mm minimum layer of fine sand or a layer of concrete. The asphalt should be allowed to cool to 120 – 140°C before it is laid. It is not recommended that heavy duty rollers or laying machines are used in the laying of the asphalt due to the risk of damaging the cables.