



HEATING SOLUTIONS

Customized Snow-melting Mesh for Outdoor Floors

CUSTOMIZED SNOW-MELTING MESH FOR OUTDOOR FLOOR



APPLICATION AREA

Snow melting mesh is the ideal solution for maintaining free of snow the ramps, pavements, open terraces, stairs and all the areas that could become impracticable and/or dangerous during cold weather.

NO HARMFUL ELECTROMAGNETIC EMISSIONS

FUNCTIONAL CHARACTERISTICS

The system is supplied on a project basis, developed on the needs of each installation. The mesh is layed on the floor and is supplied in two different versions which depend on the type of use and the stresses to which it will be subjected.

The system can be activated in case of snowfalls or even if the snow and ice had already been fallen.

CARBON FIBER

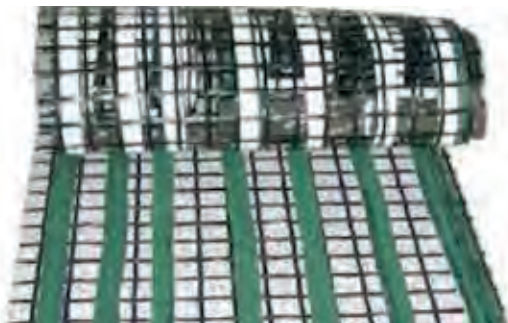
Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings, maintaining the thermal performance.



COVERING SNOW MELTING MESH



CONNECTION BETWEEN SNOW MELTING MESH AND METAL GRID



RETE RINFORZATA - MAGLIA 28x28 mm



RETE SUPPLE - MAGLIE 10x10 mm

DIMENSIONS

The heating mesh is manufactured on demand.

STRATIFICATION

Stratification starting with upper layer:

- Carbon fiber resistors covered by fireproof polyolefin.
- Reflecting polyester band sewed to the mesh support.
- Reinforced fiberglass mesh support, wide mesh 28x28 mm or thin mesh, 10x10 mm.

HEATING CABLE CHARACTERISTICS

- Mechanical resistance of 10 N/mm².
- 50°C maximum surface temperature during normal working conditions.
- Curvature radius, 4 times cable's diameter.
- Flame resistance UL Class V-O; UL Class V-1.

TEMPERATURE CONTROL

Temperature control is not integrated; activation and deactivation could be automatized by aim of an electronic controller with temperature/humidity probe, which must be installed in the heated area.

MODEL	POWER SUPPLY	POWER	PROTECTION	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS
PVRE	230 Vac 50/60 Hz	150-180 W/m ²	IP67	By aim of electronic control (see accessories)	Power supply cable FG7; lenght 3m	customized

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

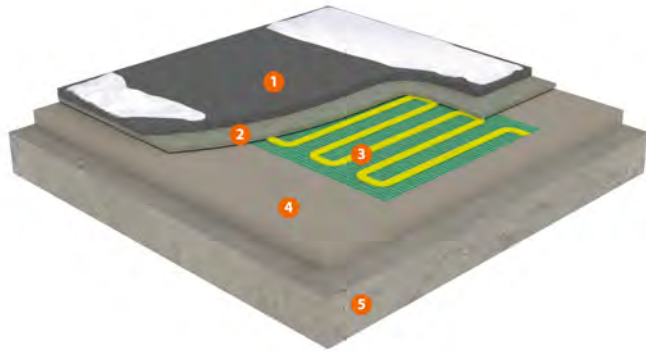
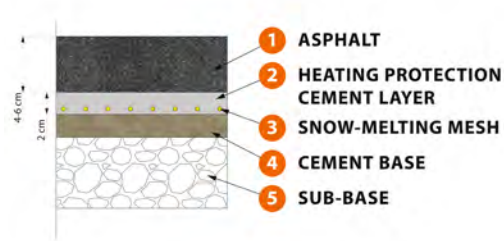
Thermal Technology powered by Carbon Fiber Heating SRL - 417075, Borş, Parc Industrial Borş, Nr. 1C, jud. Bihor, Romania
Tel: + 39 0423 858589 - www.thermaltt.com - info@thermaltt.com

CUSTOMIZED SNOW-MELTING MESH FOR OUTDOOR FLOOR

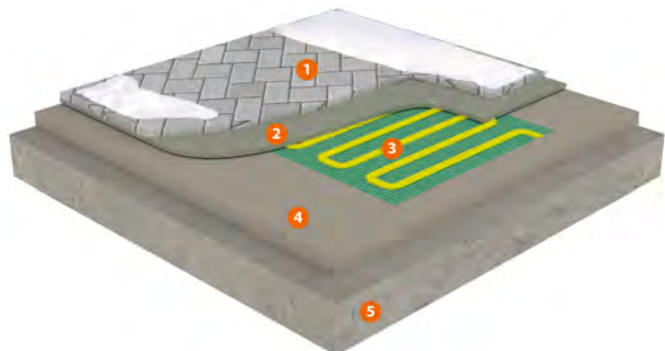


INSTALLATION TYPE

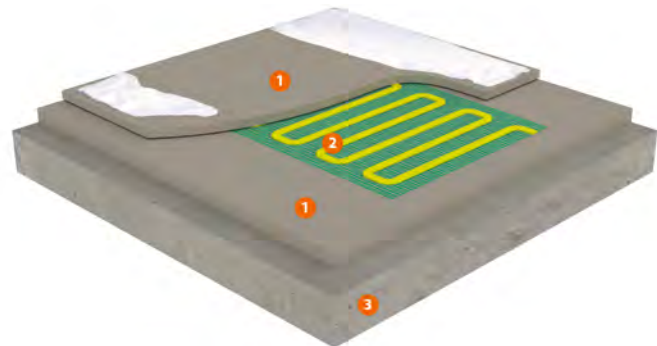
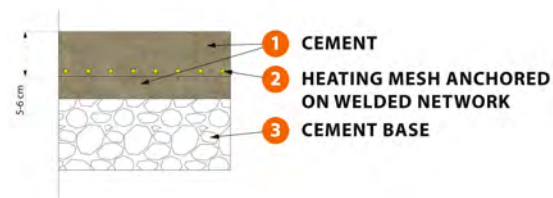
SNOW-MELTING MESH UNDER ASPHALT PVRE-A



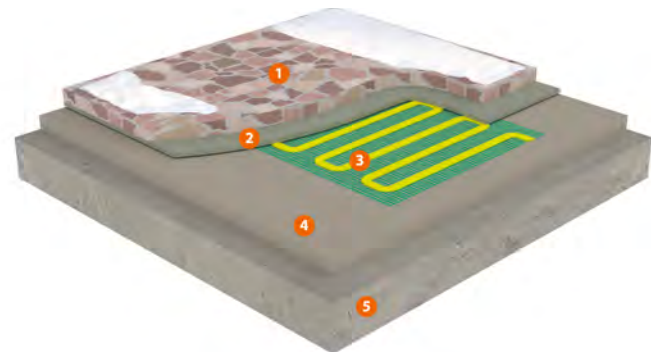
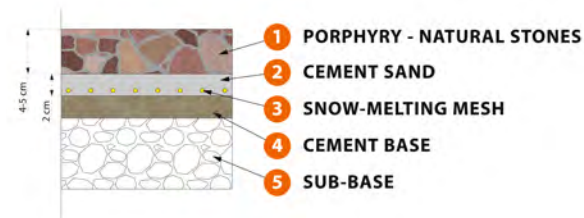
SNOW-MELTING MESH UNDER SELF-BLOCKING TILES PVRE-B



SNOW-MELTING MESH UNDER CEMENT SCREED PVRE - C



SNOW-MELTING MESH UNDER PORPHYRY/ NATURAL STONES PVER-D



CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.