




**THERMAL
TECHNOLOGY**
CARBON FIBER HEATING



**CUSTOMIZED
SNOW MELTING
MESH**

CUSTOMIZED SNOW MELTING MESH



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

Each snow melting system is a project based piece of work, the mesh is mounted under pavement and has two different versions in dependence of the method of use and 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 deposited.

CARBON FIBER

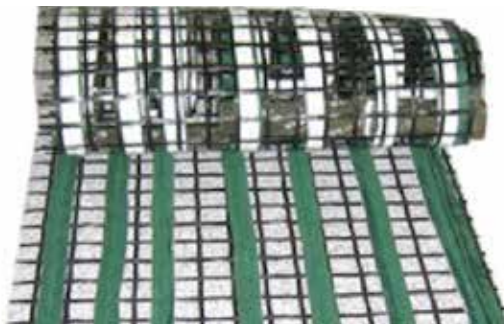
Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings.



RECOATING SNOW MELTING MESH



CONNECTION BETWEEN SNOW MELTING MESH AND METALLIC GRID



REINFORCED MESH 28x28 mm



THIN MESH 10X10 cm

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 DEGREE	TEMPERATURE CONTROL	CABLES ANC CONNECTORS	DIMENSIONE
PVRE	230 Vac 50/60 Hz	150-180 W/m ²	IP67	By aim of electronic control (see accessories)	Power supply cable FG7 2x2,5	on demand

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.

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