



**SNOW  
MELTING  
MODULAR  
MESH FOR  
OUTDOOR**

# SNOW MELTING MODULARE MESH FOR OUTDOOR



## 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

Mesh standard width is 50 cm, the length is variable. The modules are linked by aim of IP67 connectors, making the installation simple and fast. The mesh is adaptable also to the curved paths, equipped with extension cords used for passing the unheated areas. The modules are equipped with moisture and surface temperature probe, for an entirely automatized operation.

## 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.



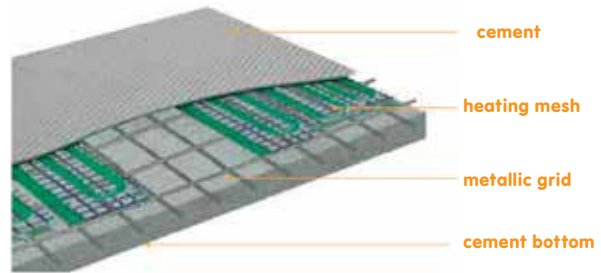
MODULAR MESH FOR OUTDOOR

## STANDARD MODULES DIMENSIONS

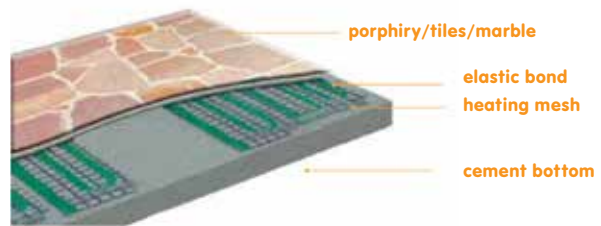
CODE	DIMENSIONS (cm/in)	m <sup>2</sup> /ft <sup>2</sup>	POWER
PVRR.050150	50x150 / 19.68x59.05	0,75 / 8.07	130W
PVRR.050190	50x190 / 19.68x74.80	0,95 / 10.22	140W
PVRR.050360	50x360 / 19.68x141.73	1,80 / 19.37	280W
PVRR.050530	50x530 / 19.68x208.66	2,65 / 28.52	400W
PVRR.050700	50x700 / 19.68x275.59	3,50 / 37.67	540W

## ACCESSORIES FOR MODULAR ELEMENTS

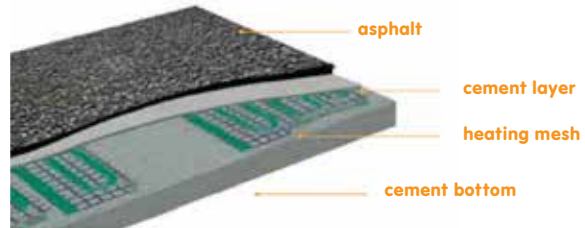
CODE	DESCRIPTION
PVRR.OPL600	Power supply cable 600 cm (236.22 in) with connector
PVRR.OPL100	Module-module connection cable 100 cm (39.37 in) with two connectors



MESH UNDER CEMENT



MESH UNDER PORPHYRY



MESH UNDER ASPHALT

## 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 340 g/m<sup>2</sup>.

## HEATING CABLE CHARACTERISTICS

- Mechanical resistance of 10 N/mm<sup>2</sup>
- 50°C maximum surface temperature during normal working conditions.
- Curvature radius, 4 times cable's diameter
- Flame resistance UL Class V-0; UL CClass V-1

## TEMPERATURE CONTROL

Module's activation and deactivation can be automatized by aim of an electronic controller with temperature/moisture probe, which must be installed in the heated area (T611).

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS
PVRR	230 Vac 50/60 Hz	150W/m <sup>2</sup>	IP67	By aim of electronic control (see accessories)	Power supply cable FG7 2x2,5, IP67 connectors, extension cord FG7 2x2,5, double connectors IP67	Width 50/19.68 Length 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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