



**SNOW  
MELTING  
ALUMINUM  
SHEET FOR  
PLAIN ROOFS**

# SNOW MELTING ALUMINUM SHEET FOR PLAIN ROOFS



## APPLICATION AREA

During unpredictable and abundant snowfalls, industrial plain roofs suffer extremely dangerous overloading, which can lead to the collapse of the structure. Deicing aluminum sheet heats all the roof surface, melting snow and ice.

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## FUNCTIONAL CHARACTERISTICS

Carbon fiber resistors inserted between two adhesive aluminum layers. The sheet can be installed simply and rapidly, the adhesive aluminum layer is applied on previously cleaned roof surface. The system can be mounted under several types of surfaces: corrugated steel roofing, bituminous sheath or PVC coat, and is easily adaptable on all type of roofing. The system can be activated during snowfalls or even if the snow had already deposited on the roof surface.

## 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.



SNOW MELTING SHEET INSTALLATION



PVC COVERAGE OF THE HEATING SHEET

## DIMENSIONS

Snow melting sheet is manufactured on demand.

## STRATIFICATION

Stratification starting with outside layer:

- Adhesive aluminum sheet.
- Carbon fiber resistors with polyolefin coating.
- Electrical connections inserted in a tunnel made of PVC filled with dielectric resin.
- Adhesive aluminum sheet.

## TEMPERATURE CONTROL

Heating system activation and deactivation can 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 AND CONNECTORS	DIMENSIONS
HTR_ALU	230 Vac 50/60 Hz 400 Vac 50/60 Hz	from 160W/m <sup>2</sup> to 250W/m <sup>2</sup>	IP67	By aim of electronic controller (see accessories)	Power supply cable HO7RNF, length on demand. IP67 connectors inserted in polyester tunnel filled with silicone inside	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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