



Ground Ice and Snowmelting

Outdoor Cables and Mats

SNOWMELTING OUTDOOR SURFACE

Outdoor cables and mats prevent the accumulation of ice or snow in open spaces in winter. The system melts the snow as soon as it falls to facilitate access for pedestrians and vehicles, without the intervention of any person or snow ploughs.

EFFICIENT AND AUTONOMOUS

The system starts automatically when environmental conditions require it thanks to temperature and humidity sensors. It only operates when a risk of snow accumulation or ice formation is present. Once installed, no maintenance is required.

VERSATILE

This system is ideal for any outdoor area in the residential, tertiary or industrial sector (access roads to residential buildings, hotels, shops, or companies, parking ramps, walkways, pavements, stairs, terraces, loading docks, etc.).

It is also applicable to de-icing of football fields or any outdoor stadiums.

EASY TO INSTALL

Installation is simple and only requires connection to electricity. The design of the system requires a detailed study to define the power to be installed, depending on the nature of the space to be protected, the minimum temperatures and the installation depth. The installed power can vary from 200 to 400 W/m².



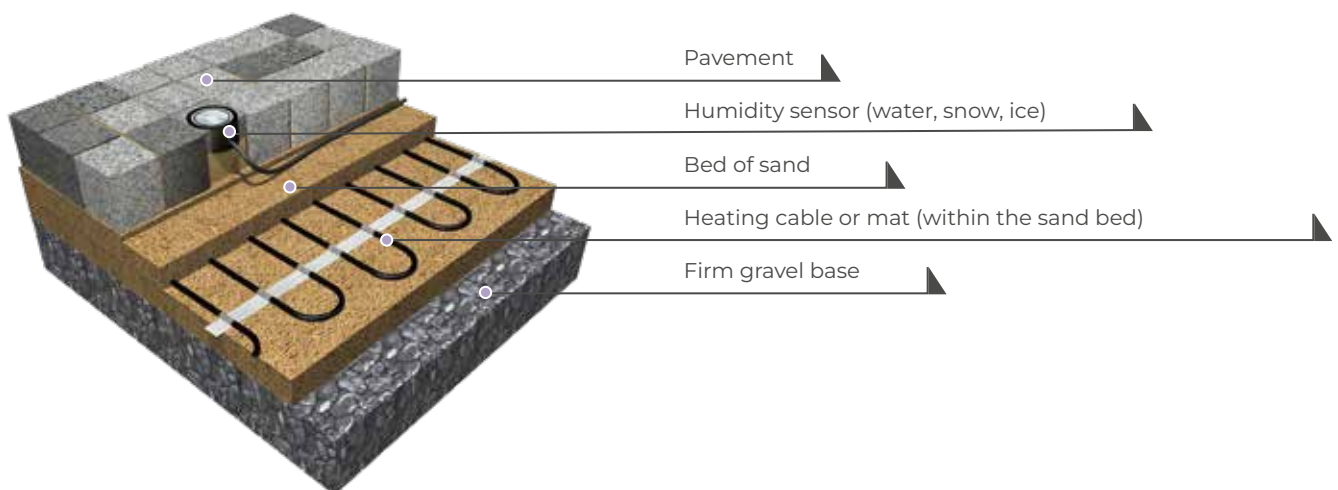
INSTALLATION

-  **EFFICIENT AND ECONOMICAL**
-  **EASY TO INSTALL**
-  **SAFE**



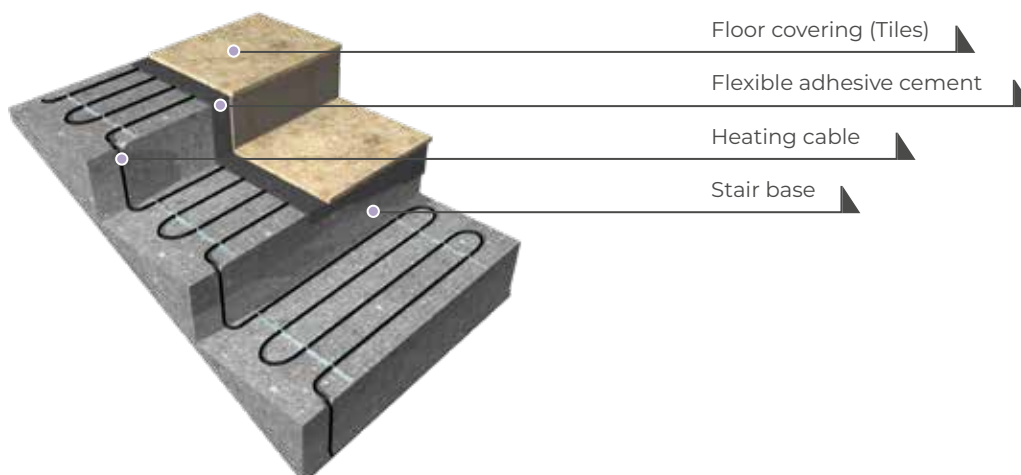
INSTALLATION BELOW PEDESTRIAN THOROUGHFARES: Walkways, pedestrian access, ...

Once the area has been flattened and cleared of any obstacles or stones, the cable or mat is placed on a bed of sand (100 mm minimum). Once the soil probe is in place in the area most exposed to the weather, the floor pavement (paving stones, ...) is laid.



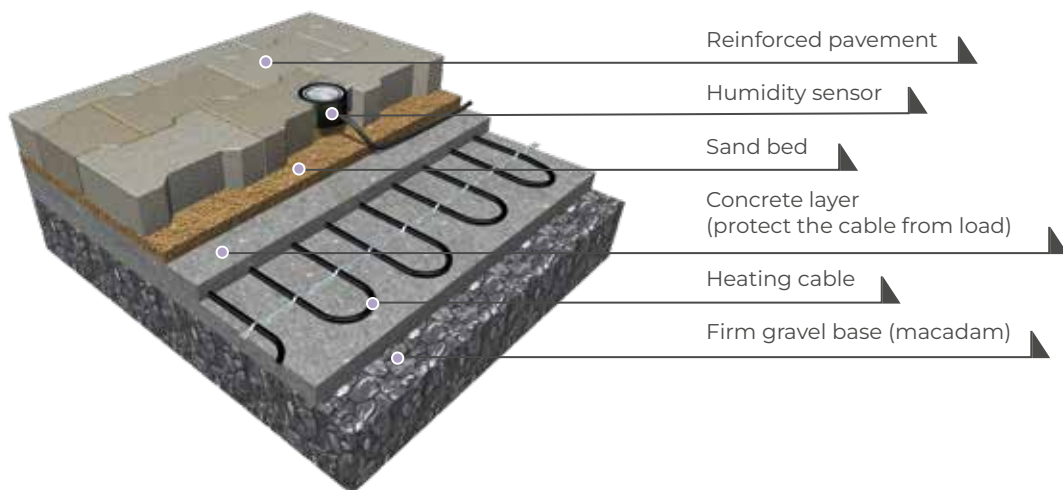
INSTALLATION ON TERRACE OR STAIRS

Heating mat or cable (for stairs) can be placed directly under the floor covering.



INSTALLATION BELOW VEHICLES THOROUGHFARES: Parking ramps, loading bays, etc..

The cable must be laid in a concrete layer to protect it against possible deterioration due to the load of the roadway. The cable is usually fixed to the concrete reinforcement mesh and must be fully embedded in the concrete.



CABLE REFERENCES

Cable ADPSV2 • 25 W/m • 230 V

Code	Output 230 V	Cable length (m)
58 611 09	150 W	5,9
58 611 17	180 W	7,4
58 611 21	225 W	9
58 611 25	305 W	12,4
58 611 29	385 W	15,3
58 611 33	505 W	20,1
58 611 37	610 W	24,1
58 611 41	710 W	28,7
58 611 45	810 W	32,7
58 611 49	860 W	34,2
58 611 53	970 W	39
58 611 57	1100 W	43,7
58 611 61	1210 W	48,6
58 611 69	1440 W	57,4
58 611 73	1770 W	71,2
58 611 77	2070 W	82,4
58 611 81	2570 W	102,9
58 611 85	3100 W	125,5

Available also in 400V.

Cable ADPSV2 • 33 W/m • 230 V

Code	Output 230 V	Cable length (m)
58 612 09	170 W	5,2
58 612 17	210 W	6,3
58 612 21	260 W	7,8
58 612 25	370 W	10,8
58 612 29	440 W	13,4
58 612 33	580 W	17,5
58 612 37	700 W	21
58 612 41	820 W	24,8
58 612 45	930 W	28,4
58 612 49	980 W	30
58 612 53	1120 W	33,7
58 612 57	1260 W	38,2
58 612 61	1390 W	42,3
58 612 69	1650 W	50,1
58 612 73	2040 W	61,7
58 612 77	2370 W	72
58 612 81	2950 W	89,7
58 612 85	3600 W	108

Available also in 400V.

MATS REFERENCES

Mantas ADPSV2 • 300 W/m² • 230 V

Code	Output 230 V	Mat length (m)	Mat Surface (m ²)
58 914 37	660 W	4,4	2,2
58 914 53	1060 W	7	3,5
58 914 61	1320 W	8,8	4,4
58 914 77	2250 W	15	7,5
58 914 81	2785 W	18,7	9,35
58 914 85	3390 W	22,6	11,3

ACCESSORIES

Product	Code
Aluminium fixing tape - 50 m roll	09 108 01
Metallic fixing strip - 10 m roll	09 004 01



REGULATION

It is essential to have an adequate control system in place so that the system is activated when necessary. It is necessary to install a control unit, an outdoor humidity sensor that is embedded in the floor covering to detect the presence of humidity/snow and an outdoor temperature sensor to detect freezing temperatures.

Product	Code	Amperage
Snowmelting central unit 3x16A	0910701	3 x 16 A
Snowmelting central unit TM16A	0910702	16 A
Ground humidity sensor	0910901	
Outdoor temperature sensor	0910401	



CEILHIT SLU
www.ceilhit.es
 +34 93 261 11 25
comercial@ceilhit.es