



## DESCRIPTION

nVent RAYCHEM T2Green is a floor heating cable with constant power output of 5 W/m. It is a pre-terminated, dual conductor heater with a 2.5 m cold lead attached at one end.

The heating cable is designed to be embedded in a screed (15-30 mm).

T2Green is the ideal floor heating system for additional comfort heating installations in newly constructed buildings. This floor heating cable is applied in well insulated new construction applications such as low energy buildings and passive houses.

T2Green is supplied in box without thermostat. Suitable RAYCHEM thermostat to be added to the system for additional energy efficiency.

## ADVANTAGES

### The design phase

Easy design:

- one cold lead connection due to dual wire cable design
- different outputs per m<sup>2</sup> can be obtained by different spacing (min spacing is 50 mm)
- flexibility to adapt to all room shapes.

Compatible with all stable subfloors e.g. concrete, anhydrite, asphalt, plaster, ceramic underfloor, wooden subfloors.

Following floorings can be applied: Tiles, Marble, Stones  
Max. 30 mm thickness  
 $\lambda$ -value 1,0 W/mK

### The installation phase

Due to the dual conductor cable T2Green has only one cold lead connection which enables easy lay-out and installation Easy to adapt to special room shapes or obstacles. Spacing can be varied to a minimum of 50 mm.

### The application

Low output heating cable designed to be used as additional comfort heating in well insulated buildings

Extra low energy consumption when used together with the RAYCHEM smart thermostats

No measurable electro-magnetic fields due to the dual conductor heating cable

Long life and maintenance free

## TECHNICAL DATA

Nominal power	4,4-6,3 W/m
Voltage	230 V
Max. Exposure Temperature	+90 °C
Min. Installation Temperature	+5 °C
Length of cold lead cable	2.5 m
Dimensions	Approx 5,0 mm diameter
Min. cable spacing	50 mm
Min. Bending Radius	30 mm
RCD	30 mA
Construction	PVC-free
Certificates	Semko, CE

## RELATED PRODUCTS

RAYCHEM thermostats are designed to control electrical floor heating in order to give the best possible comfort and the lowest possible energy usage.



PCN	Description
1244-015152	NRG-DM, digital timer thermostat equipped with a large display and intuitive software for optimal ease of use.
1244-013810	GREEN-LEAF, programmable thermostat with focus on design.
1244-002513	NRG-Temp, digital timer thermostat.
1244-013811	Wall box for GREEN-LEAF thermostat
1244-001429	Frame adaptor for UK wall boxes
6012-8949085	Splice kit for T2Green heating cables
6012-8949540	Gluestick 10 pcs/pack
6012-8949541	Sensortube Ø10 mm/2,5 m
503052-000	Melting glue sticks 70 pcs/1,40 kg/package
476660-000	Metal mesh galvanized 10 m
726604-000	Metal mesh galvanized 25 m

## DESIGN TABLE

T2Green-5 heating cables are available in lengths from 15 m to 115 m.

PCN Numbers	T2Green-5	Output (W)	Length (m)	Total resistance (Ohm)	30 W/m <sup>2</sup>	40 W/m <sup>2</sup>	Area (m <sup>2</sup> ) 50 W/m <sup>2</sup>	60 W/m <sup>2</sup>
SZ18300122	T2Green-5-15 m	65	15	795 +/- 10%	2,2	1,65	1,3	1,1
SZ18300123	T2Green-5-20 m	110	20	472 +/- 10%	3,7	2,8	2,2	1,9
SZ18300124	T2Green-5-25 m	160	25	333 +/- 10%	5,3	4,0	3,2	2,7
SZ18300125	T2Green-5-35 m	180	35	297 +/- 10%	5,9	4,5	3,6	3,0
SZ18300126	T2Green-5-40 m	230	40	232 +/- 10%	7,6	5,7	4,6	3,8
SZ18300127	T2Green-5-50 m	245	50	215 +/- 10%	8,2	6,1	4,9	4,1
SZ18300128	T2Green-5-60 m	340	60	156 +/- 10%	11,3	8,5	6,8	5,7
SZ18300129	T2Green-5-70 m	360	70	147 +/- 10%	12,0	9,0	7,2	6,0
SZ18300130	T2Green-5-85 m	425	85	124 +/- 10%	14,2	10,6	8,5	7,1
SZ18300131	T2Green-5-100 m	490	100	108 +/- 10%	16,3	12,3	9,8	8,2
SZ18300132	T2Green-5-115 m	560	115	94 +/- 10%	18,7	14,0	11,2	9,3
<b>Cable spacing (mm) = x [area (m<sup>2</sup>) / length (m<sup>2</sup>)] x 1000</b>					+/-170	+/-130	+/-100	+/-90

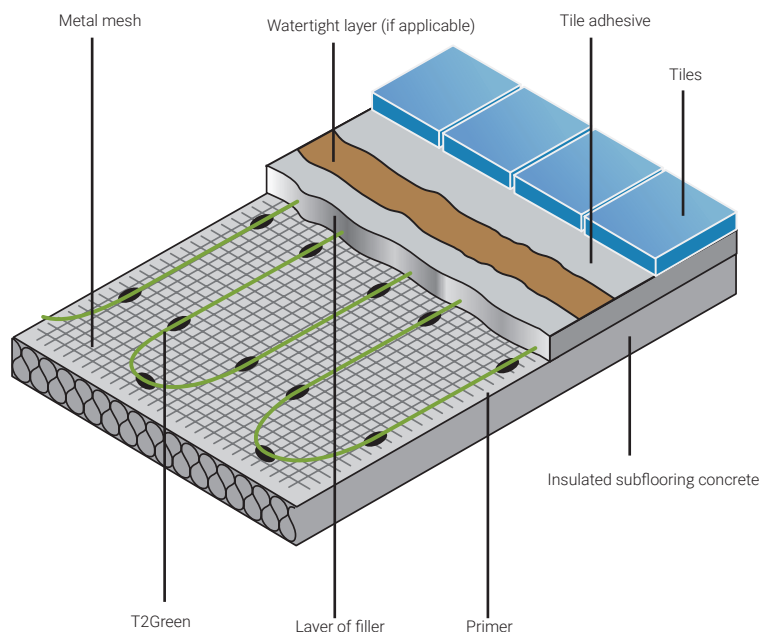
## UNDERFLOOR PREPARATION AND INSTALLATION INSTRUCTION

The subfloor should be clean, stable and rigid, without cracks or adhesion-reducing substances. Cracks are to be filled in prior to installation.

Ensure subfloor is level. With cement plaster and anhydrite plaster, ensure that the floor has dried sufficiently according to the applicable norms. Anhydrite plaster should be smooth and dust free. With quickly solidifying plaster, please follow the manufacturers instructions.

The heating cable should not be installed under bath tubs, shower cabins, surface covering furniture, etc. The heating cable should not be installed where holes will be drilled in the floor.

T2Green heating cable needs to be installed in a screed (15-30 mm). It should not be installed directly in the tile adhesive.



Applicable norms, rules and data sheets as well as instructions and manuals are to be followed!

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