T2Green - 5 W/m

COMFORT YOU DESERVE



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 (typically 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 nVent RAYCHEM thermostat to be added to the system for additional energy efficiency.

12 Total care warranty

ADVANTAGES

The design phase

Easy design:

- one cold lead connection due to dual wire cable design
- different outputs per m^2 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
Minimal thermal conductivity of 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 nVent 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

Product name	Part number	Description
SENZ WIFI	1244-017778	WIFI enabled programmable touchscreen thermostat combing app enabled remote control, ease of use and aesthetic design for maximum comfort from your underfloor heating
NRG-DM	1244-015152	Intuitive electronic thermostat with flexible weekly schedule and 1.8" display. Easy to use and to program
Green Leaf	1244-017312	Attractive electronic thermostat with 4 event weekly schedule
U-ACC-PP-01	6012-8949540	Gluestick 10 Pc/pack
U-ACC-PP-02	6012-8949541	Sensortube ∅ 10mm/2,5 m
U-ACC-PP-05	503052-000	Melting glue sticks 72 pcs/1,40 kg/package
U-ACC-MM-10	476660-000	Metal mesh galvanized 10 m
U-ACC-MM-25	726604-000	Metal mesh galvanized 25 m
U-ACC-FH-CW-SP	1244-008869	Repair kit for T2Green

DESIGN TABLE

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

PCN Numbers	T2Green-5	Output (W)	Length (m)	Heating cable resistance range @ 20°C	Area (m^2) 30 W/m^2	40 W/m^2	50 W/m^2	60 W/m^2
SZ18300122	T2Green-5-15 m	65	15	755.3 - 874.5 Ω	2,2	1,65	1,3	1,1
SZ18300123	T2Green-5-20 m	110	20	448.4 - 519.2 Ω	3,7	2,8	2,2	1,9
SZ18300124	T2Green-5-25 m	160	25	315.9 - 365.8 Ω	5,3	4,0	3,2	2,7
SZ18300125	T2Green-5-35 m	180	35	282.6 - 327.3 Ω	5,9	4,5	3,6	3,0
SZ18300126	T2Green-5-40 m	230	40	220.4 - 255.2 Ω	7,6	5,7	4,6	3,8
SZ18300127	T2Green-5-50 m	245	50	204.3 - 236.5 Ω	8,2	6,1	4,9	4,1
SZ18300128	T2Green-5-60 m	340	60	148.2 - 171.6 Ω	11,3	8,5	6,8	5,7
SZ18300129	T2Green-5-70 m	360	70	139.7 - 161.7 Ω	12,0	9,0	7,2	6,0
SZ18300130	T2Green-5-85 m	425	85	117.9 - 136.5 Ω	14,2	10,6	8,5	7,1
SZ18300131	T2Green-5-100 m	490	100	102.6 - 118.8 Ω	16,3	12,3	9,8	8,2
SZ18300132	T2Green-5-115 m	560	115	89.6 - 103.7 Ω	18,7	14,0	11,2	9,3
Cable spacing (mm) = x [area (m^2) / length (m^2)] x 1000					+/-170	+/-130	+/-100	+/-90

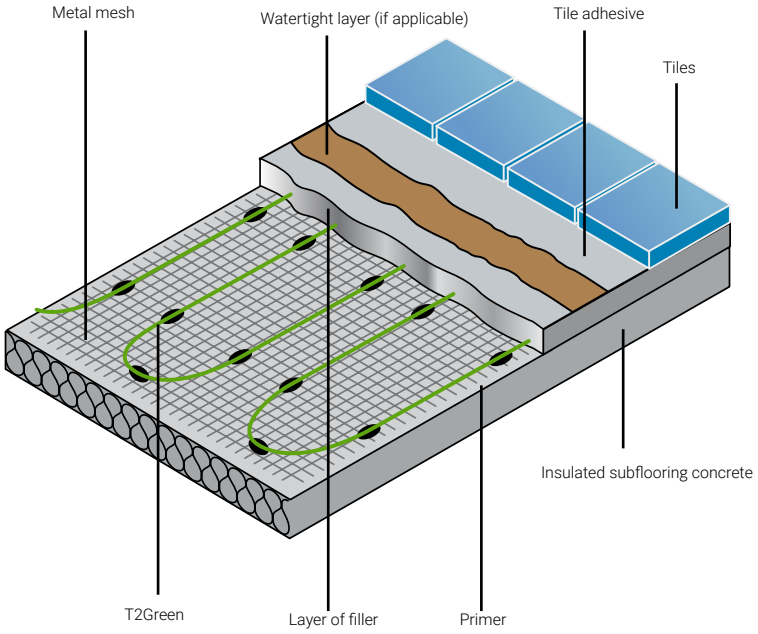
UNDERFLOOR PREPARATION AND INSTALLATION INSTRUCTION

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 (of typically 15-30 mm). It should not be installed directly in the tile adhesive. The heating cable should not be embedded in EPS cement screed.



Applicable norms, rules and data sheets as well as instructions and manuals are to be followed! For detailed installation instructions reference is EU0471.

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