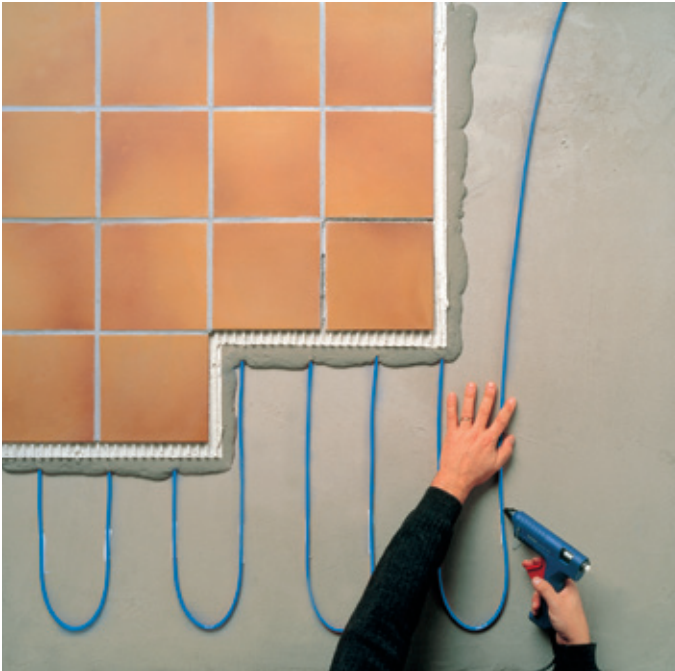


FLOOR HEATING CABLE



DESCRIPTION

nVent RAYCHEM T2Blue 10 W/m is a floor heating cable with constant power output of 10 W/m. It is a pre-terminated, dual conductor heater with a 2.5 m cold lead attached at one end.

The heating cable should be embedded in screed (50 mm).

T2Blue is the ideal floor heating system for installation in newly constructed buildings or renovation. This floor heating cable is typically applied in all new construction applications and for example in conservatories or cold rooms (refrigeration rooms).

T2Blue kits contain a digital electronic thermostat. T2Blue comes in a handy installer friendly box containing some glue sticks for easy fixing to the subfloor and a conduit in which to install the sensor.



ADVANTAGES

The design phase

Easy design:

- one cold lead connection due to dual wire cable design
- different outputs per m² 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
λ-value 1,0 W/mK

The installation phase

Due to the dual conductor cable T2Blue 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

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	10 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 5,5 mm diameter
Min. cable spacing	50 mm
Min. Bending Radius	30 mm
RCD	30 mA
Construction	PVC-free
Certificates	SEMKO, CE-mark

RELATED NVENT RAYCHEM PRODUCTS

NRG-Temp	NRG-Temp Timer Thermostat with many features including: <ul style="list-style-type: none"> • Standard comfort modes • Two economic programs EcoHome and EcoOffice • Energy saving features, such as the programming heating on time and the adaptive function • Ease of installation features, such as auto detection of sensing mode, auto calibration in room sensing mode and the first warming function
U-ACC-PP-11	Frame adaptor for UK wall boxes (1244-001429)
U-BL-ACC-SP	Splice kit for T2Blue heating cables (6012-8949085)
U-ACC-PP-01	Gluestick 10 Pc/pack (6012-8949540)
U-ACC-PP-02	Sensortube Ø 10mm/2,5 m (6012-8949541)
U-ACC-PP-05	Melting glue sticks 72 pcs/1,40 kg/package (503052-000)
U-ACC-MM-10	Metal mesh galvanized 10 m (476660-000)
U-ACC-MM-25	Metal mesh galvanized 25 m (726604-000)

DESIGN TABLE

T2Blue 10 W/m heating cables are available in lengths from 20 m till 200 m.

T2Blue 10 W

	Output (W)	Length (m)	Total resistance (Ohm)	Area (m ²)				
				60 W/m ²	70 W/m ²	80 W/m ²	100 W/m ²	125 W/m ²
T2Blue-10-20 m	200	20	265 +/- 10%	3,3	2,9	2,5	2,0	1,6
T2Blue-10-30 m	305	30	173 +/- 10%	5,1	4,4	3,8	3,0	2,4
T2Blue-10-40 m	400	40	132 +/- 10%	6,7	5,7	5,0	4,0	3,2
T2Blue-10-50 m	505	50	105 +/- 10%	8,4	7,2	6,3	5,0	4,0
T2Blue-10-60 m	605	60	87 +/- 10%	10,1	8,6	7,6	6,0	4,8
T2Blue-10-70 m	700	70	76 +/- 10%	11,7	10,0	8,7	7,0	5,6
T2Blue-10-80 m	805	80	66 +/- 10%	13,4	11,5	10,0	8,0	6,4
T2Blue-10-90 m	890	90	59 +/- 10%	14,8	12,7	11,0	9,0	7,1
T2Blue-10-101 m	1010	101	52 +/- 10%	16,8	14,4	12,6	10,0	8,1
T2Blue-10-121 m	1215	121	44 +/- 10%	20,2	17,4	15,2	12,0	9,7
T2Blue-10-142 m	1420	142	37 +/- 10%	23,7	20,3	17,8	14,2	11,4
T2Blue-10-160 m	1600	160	33 +/- 10%	26,7	22,9	20,0	16,0	12,8
T2Blue-10-180 m	1800	180	29 +/- 10%	30,0	25,7	22,6	18,0	14,4
T2Blue-10-200 m	2000	200	26 +/- 10%	33,3	28,6	25,0	20,0	16,0
Cable spacing (mm) = x [area (m²) / length (m²)] x 1000				160	140	120	100	125

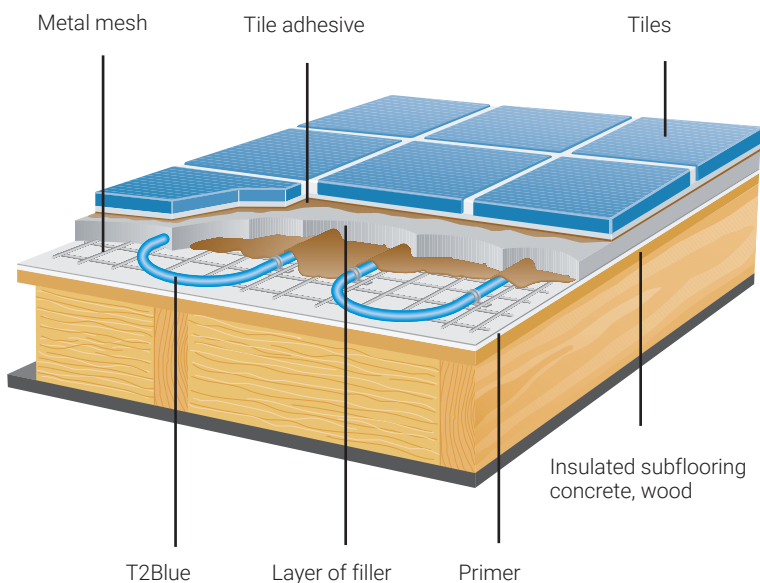
UNDERFLOOR PREPARATION AND INSTALLATION INSTRUCTION

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 smoothed 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.

T2Blue heating cable needs to be installed in a screed (50 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!

For detailed installation instructions reference is INST-279.

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