



PRODUCT DESCRIPTION

Self adhering, low profile floor heating mat for installation immediately under ceramic tiles or natural stone.

nVent RAYCHEM T2QuickNet Plus 160 is sold as a complete pack consisting of a pre-terminated floor heating cable installed on a fiber glass mat and a Timer thermostat.

T2QuickNet Plus 160 is the ideal floor heating system when quick heat up time is required. It increases the comfort at home and in the office as well as in your showroom or entrance hall.



ADVANTAGES

The design phase

Ideal heating system during early autumn or spring time as well as the perfect complementary heating system (for example in bathroom as additional heating to a towel dryer)

High power output gives higher heating comfort in areas with poor subfloor insulation

Extremely low installation height ca. 3 mm

Ideal for renovation

Can be used in shower areas

Compatible with all stable subfloors e.g. concrete, anhydrite, plaster, ceramic subfloor,

Following floorings can be applied: Tiles, marble, stones
Max. 30 mm thickness
 λ -value 1,0 W/mK

The installation phase

Fast and easy due to self adhering mat

Due to the low profile no issue with heights of existing doors neither with floor level of existing stairs

Due to the dual conductor cable only one cold lead connection which enables easy lay-out and installation of the mats

Several heating mat sizes

The application

Ideal heating for comfort in your bathroom, kitchen and conservatory

Quick heat up time due to high power of the heating mat

Extra low energy consumption with use of thermostat

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

Long life and maintenance free

TECHNICAL DATA

Nominal power	160 W/m ²
Voltage	230 V
Max. exposure temperature	120°C
Min. installation temperature	+ 5°C
Heating cable	Fluoropolymer
Cold lead	1 x 5 m cold lead, cross section 3 x 1,0 mm ²
Mat	Self adhering fiber glass mat
Wet room	Approved, ELCB required
Circuit breaker	13 A with max. heating mat surface till 18 m ²
Approvals	VDE CE

RELATED NVENT RAYCHEM PRODUCTS

NRG-Temp

NRG-Temp Timer Thermostat with many features including:

- 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

REFERENCE NUMBER

T2QuickNet Plus 160 pack (incl. thermostat RAYCHEM NRG-Temp)				
Product name	Part number	Area (m ²)	Output (W)	Dim (W x L in m)
T2QuickNet-P-160-1,0/Therm	424320-000	1	160	0,5 x 2,0
T2QuickNet-P160-1,5/Therm	1244-001827	1,5	240	0,5 x 3,0
T2QuickNet-P-160-2,0/Therm	806564-000	2	320	0,5 x 4,0
T2QuickNet-P160-2,5 /Therm	1244-001828	2,5	400	0,5 x 5,0
T2QuickNet-P-160-3,0/Therm	802530-000	3	480	0,5 x 6,0
T2QuickNet-P160-3,5/Therm	1244-001829	3,5	560	0,5 x 7,0
T2QuickNet-P-160-4,0/Therm	404112-000	4	640	0,5 x 8,0
T2QuickNet-P160-4,5/Therm	1244-001830	4,5	720	0,5 x 9,0
T2QuickNet-P-160-5,0/Therm	055938-000	5	800	0,5 x 10,0
T2QuickNet-P-160-6,0/Therm	825740-000	6	960	0,5 x 12,0
T2QuickNet-P-160-7,0/Therm	440084-000	7	1120	0,5 x 14,0
T2QuickNet-P-160-8,0/Therm	782896-000	8	1280	0,5 x 16,0
T2QuickNet-P-160-9,0/Therm	857168-000	9	1440	0,5 x 18,0
T2QuickNet-P-160-10,0/Therm	128170-000	10	1600	0,5 x 20,0

Extension pack (without thermostat)				
Product name	Part number	Area (m²)	Output (W)	Dim (W x L in m)
T2QuickNet-P-160-1,0	986618-000	1	160	0,5 x 2,0
T2QuickNet-P-160-1,5	1244-001831	1,5	240	0,5 x 3,0
T2QuickNet-P-160-2,0	060364-000	2	320	0,5 x 4,0
T2QuickNet-P-160-2,5	1244-001832	2,5	400	0,5 x 5,0
T2QuickNet-P-160-3,0	168506-000	3	480	0,5 x 6,0
T2QuickNet-P-160-3,5	1244-001833	3,5	560	0,5 x 7,0
T2QuickNet-P-160-4,0	036330-000	4	640	0,5 x 8,0
T2QuickNet-P-160-4,5	1244-001834	4,5	720	0,5 x 9,0
T2QuickNet-P-160-5,0	441162-000	5	800	0,5 x 10,0
T2QuickNet-P-160-6,0	349790-000	6	960	0,5 x 12,0
T2QuickNet-P-160-7,0	712522-000	7	1120	0,5 x 14,0
T2QuickNet-P-160-8,0	605750-000	8	1280	0,5 x 16,0
T2QuickNet-P-160-9,0	723132-000	9	1440	0,5 x 18,0
T2QuickNet-P-160-10,0	728236-000	10	1600	0,5 x 20,0

SUBFLOOR PREPARATION

The subfloor should be clean, stable and rigid, without cracks or adhesion-reducing substances. Large cracks in the subfloor should be filled prior to laying the mat.

Uneven surfaces will need to be levelled prior to installation. With cement plaster and anhydrite plaster, one should ensure that the substance has dried sufficiently according to the applicable norms. Anhydrite plaster should be smoothed and dust free. With quickly solidifying plaster, one should follow the suppliers 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.

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

INSTALLATION INSTRUCTION

T2QuickNet-Plus 160 is positioned on the subfloor according to a lay-out plan. The T2QuickNet cold lead is inserted in a flexible tubing and connected to the connection box. The thermostat sensor, which is also protected in a flexible tubing, is positioned centrally between two heating cable runs.

A filler layer is applied on top of the heating mat. In wet rooms an extra wet room barrier should be applied on top of the normal filler. The tiles can be placed on top of the hardened filler material.

For detailed installation instructions refer to INST-280.

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