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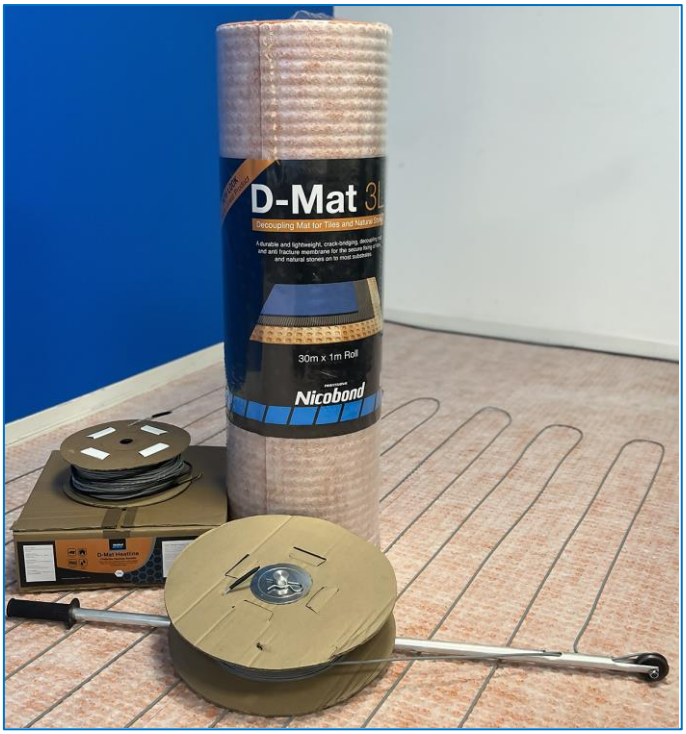
High performance products for tiling & flooring professionals

D-Mat Heatline Under Tile Heating System



Description
This **next-generation heating cable** revolutionises under tile heating with a **patented Velcro-wrapped design**, securely fastening to the fleece of the Nicobond D-Mat 3L Decoupling Mat. This ensures **precise and rapid installation**, significantly cutting down setup time. The standard cable delivers **15W per linear meter**, offering a flexible heating output range from **95W/m² to 200W/m²** to suit diverse installation needs, guaranteeing **optimized energy efficiency and comfort**.

The **Velcro attachment system** allows for effortless, accurate placement and quick reconfiguration, ideal for hand-fitting in small areas or streamlined large projects with the D-Mat Heatline Cable Applicator. This 3mm diameter **twin series heating cable**, including a 3m cold tail, is compatible with Nicobond Touchscreen or similar approved thermostats, ensuring **reliable performance and even heat distribution**

Uses
This system is suitable for ceramic, porcelain, and natural stone floors and can be used beneath tiles, wood, laminate, vinyl and carpet, provided the correct wattage is selected. Refer to the manufacturer of your floor covering to ensure it is suitable for use with electric heating cables.

Features
- Quick Installation -Velcro-wrapped cable attaches securely for fast setup
- Adjustable Heating - Output from 90W/m² to 200W/m² for optimal comfort
- Easy Positioning - Reposition by hand or use the applicator for larger areas
- Even Heat Distribution - Ensures efficient, consistent warmth
- Full Compatibility - Works with Nicobond Touchscreen and approved thermostats

CE Internal Floor Flexible Water Resistant

Ancillary Products	
N2552700	D-Mat Heatline Cable Applicator
N2552110	Touchscreen Thermostat
N2552107	Floor Temperature Probe
N2552716	Cable Repair Kit

Product Data	
Voltage	230v
Power	15 W/m
Wire Diameter	3mm (without Velcro wrapping)
Rated Temperature Limit	80° C
Cable Connection	3x1.0mm²
VDE Standards	DIN EN60335-2-96, DIN EN 60335-1, DIN EN IEC 60335-2-96, DIN EN 62233, DIN EN 62233 Ber.1Approval: VDE (heating conductor)
N2552701	135w / 9m
N2552702	180w / 12m
N2552703	255w / 17m
N2552704	345w / 23m
N2552705	450w / 30m
N2552706	600w / 40m
N2552707	750w / 50m
N2552708	900w / 60m
N2552709	1050w / 70m
N2552710	1200w / 80m
N2552711	1350w / 90m
N2552712	1500w / 100m
N2552713	1800w / 120m
N2552714	2025w / 135m
N2552715	2250w / 150m

D-Mat Heatline Under Tile Heating System

Description
Nicobond D-Mat Heatline Cable is a high-performance underfloor heating system designed for use beneath tile, stone and other compatible floor finishes. The cable is fixed to the decoupling mat using integrated Velcro for fast and secure installation. The system is ideal for both renovation and new-build projects, particularly where complex or irregular room layouts make heating mats impractical.

Product Features
This system is suitable for ceramic, porcelain, and natural stone floors and can be used beneath tiles, wood, laminate, vinyl and carpet, provided the correct wattage is selected. The cable has a low-profile diameter of 3.6mm and a power rating of 15W per metre. It allows for custom heating outputs based on spacing, and its flexible layout makes it suitable for corners, alcoves, steps and curved spaces. Each cable is supplied with a 3m cold tail and is manufactured to VDE and IEC safety standards.

Application Guidelines
D-Mat Heatline Cable must be installed directly onto the D-Mat 3L Decoupling Mat. Spacing should match the required heating output. Avoid placing the cable under fixed furniture or across expansion joints. Use a Nicobond thermostat with floor sensor for safe temperature control. The cable must be fully embedded in tile adhesive or levelling compound with a minimum spacing of 50mm.

Electrical Requirements
The system operates at 230V AC with a temperature limit of 80°C and is rated IPX7. It must be protected by a 30mA RCD. The maximum recommended output under tile is 200W/m² and under wood, vinyl or carpet is 160W/m². Cables must not be cut, shortened or allowed to cross and all installations must be completed by a qualified Part P electrician.

Cable Specification
The cable has an outer diameter of 3.6mm ±0.1mm and a minimum bend radius of six times its diameter. Its construction includes FEP, polyester and PVC insulation. Resistance tolerance is +10% to -5%

Installation Notes
Please visit www.nichollsandclarke.com/d-mat-heatline-help to ensure you are using the latest installation instructions.

Testing & Operation
Test the system's resistance between live and neutral and check insulation before applying floor coverings. Do not power on the system until all adhesive layers are fully cured, which typically requires a minimum of seven days. The heating system must not be used to dry out adhesives or screeds.

Thermostat Compatibility
Nicobond thermostats rated at 230V with a floor probe should be used. Up to two cables can be connected directly; more than two require a connection box. The floor sensor should be positioned 300–400mm into the heated area between two parallel cable runs. Do not install the sensor near radiators or in locations that may be covered by rugs.

Warranty
A 15-year manufacturer's warranty is standard. This can be extended to a lifetime warranty if the product is registered within 90 days of purchase. The system must be installed according to Nicobond's guidelines and all test results must be docu

Choosing the Correct Cable
Choosing a specific power output per square meter directly determines the required spacing for installation and, consequently, the total area that can be effectively heated. Refer to chart on page 3.

1: Twin heat conductor, 2 x 7-strand resistance wire (not rigid)
2: Primary insulation: FEP (Teflon®), 0.3 mm wall
3: Protective conductor: Aluminium foil + stranded copper wire
4: Outer sheath: PVC
5: Hook-and-loop tape: Polypropylene

	Cable Length	Wattage	Resistance	95 W/m²	110 W/m²	130 W/m²	150 W/m²	190 W/m²
N2552701	9m	135W	392 Ω	1.4	1.2	1.0	0.9	0.7
N2552702	12m	180W	294 Ω	1.9	1.6	1.4	1.2	0.9
N2552703	17m	255W	212 Ω	2.7	2.3	2.0	1.7	1.3
N2552704	23m	345W	151 Ω	3.6	3.1	2.7	2.3	1.8
N2552705	30m	450W	118 Ω	4.7	4.1	3.5	3.0	2.4
N2552706	40m	600W	88 Ω	6.3	5.5	4.6	4.0	3.2
N2552707	50m	750W	66 Ω	7.9	6.8	5.8	5.0	3.9
N2552708	60m	900W	59 Ω	9.5	8.2	6.9	6.0	4.7
N2552709	70m	1050W	53 Ω	11.1	9.5	8.1	7.0	5.5
N2552710	80m	1200W	44 Ω	12.6	10.9	9.2	8.0	6.3
N2552711	90m	1350W	38 Ω	14.2	12.3	10.4	9.0	7.1
N2552712	100m	1500W	33 Ω	15.8	13.6	11.5	10.0	7.9
N2552713	120m	1800W	29 Ω	18.9	16.4	13.8	12.0	9.5
N2552714	135m	2025W	26 Ω	21.3	18.4	15.6	13.5	10.7
N2552715	150m	2250W	24 Ω	23.7	20.5	17.3	15.0	11.8
		Spacing	**cm**	16	14	12	10	8
			Mat dimples	8	7	6	5	4

Resistance tolerance: +5% / -10%

The black 'cold tail' is double-insulated and contains earth, live, and neutral wires. Carefully expose the very ends of these wires to enable continuity tests using a functional multi-meter. It is essential to perform this test at three stages: initially before installation, again during the tiling or levelling compound application, and finally after the tiling or levelling compound has been completed.

NEVER CONNECT THE CABLE TO A POWER SUPPLY FOR TESTING PURPOSES

Tests

- ➔ Live to neutral: The Ohm value must match the specifications listed above.
- ➔ Live to earth and neutral to earth: Both should show an infinite (open circuit) reading.

If your test results do not match these expected values, please contact N&C Nicobond directly at 020 8586 4600. If it's outside business hours, you can email info@nichollsandclarke.com.

PROFESSIONAL Nicobond

High performance products tiling & flooring professionals

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