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PREMIUM  
UNDERFLOOR  
HEATING  
PRODUCTS



PRODUCT CATALOGUE

## **Welcome To NovaTherm:**

At NovaTherm our team have over 50 years combined experience in the plumbing and heating sector. Our aim is to bring this wealth of knowledge and experience together to help build towards providing products and services of the highest quality that aid in providing a more sustainable future for the world around us. As governments from around the world work towards attaining carbon neutral footprints, our team at NovaTherm strive tirelessly to help educate our customers as to the benefits of the sustainability of the products and services we offer at the very best value for money.

## **Our Underfloor Heating Systems:**

NovaTherm have an inhouse team of professional designers of both warm water and electric underfloor heating systems for domestic and commercial applications. We stock a huge range of market leading products enabling us to supply our customers with tailor made heating solutions at extremely competitive prices. Our years of experience dedicated to the design and supply of underfloor heating systems on projects ranging from single room extensions and new build homes to large office blocks, schools and care homes allows us to offer guaranteed systems tailor made specifically to each individual application.

## **Design & Consultation Service:**

Accurate design and a detailed understanding of customer requirements are an essential foundation of a great underfloor heating system. Our inhouse design team utilise market leading software and expertise to calculate full heat requirements for each and every application. All warm water systems are designed using our bespoke CAD software. A full CAD pipe layout is supplied with every design to ensure the customer understands the concept and criteria behind their bespoke design.

## **Our Aim:**

Offering a free no obligation design and quotation service, we aim to supply customers with a quality floor heating system to suit their individual requirements quickly and at a price that offers the very best value for money. We strive to ensure that the end result is a heating system which is unequalled in terms of performance, control and the quality of its components. Whatever your requirements, Novatherm have the solution to all your heating needs.

# Advantages Of Underfloor Heating

## Water Underfloor Heating:

Our years of experience dedicated to the design and supply of underfloor heating systems on projects ranging from single room extensions and new build homes, to large office blocks, schools and care homes allows us to offer guaranteed systems tailor made specifically to each individual application.

## Our range of products include:

-  Pipe
-  Manifolds
-  Pumps
-  Fixings & Accessories

Perhaps one of the most popular reasons why people choose to install Underfloor Heating is simply because of the **lack of maintenance that is required to maintain the system once it has been installed.**

Underfloor Heating creates a much more comfortable heat over a traditional radiator system. This is because heat rises, this means that the Underfloor Heating system is heating from the ground up over the entire floor space, Thereby **creating consistent temperatures across the whole room.**

**Underfloor Heating is more hygienic!** With a conventional radiator system floors remain cold and dampness can occur at ground level. This has a major affect on dust mites also, with Underfloor Heating making it hard for them to breed and live. A recent study has shown that a radiant heating system can reduce the presence of dust mites in the home by up to 80%. This is ideal for anyone with respiratory conditions such as asthma.

**Open Space Living.** Underfloor Heating eliminates the need for radiators and this frees up the space that is needed to achieve complete open plan living.

When it comes to running costs, a water underfloor heating solution is far more **cost efficient** than radiators. It is around 25% more efficient when paired with a modern condensing boiler and around 40% more efficient when running from a heat pump.



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## Description:

The Multi-Layer Pipe System (MLP) is an advanced, very hard wearing and easy to work with system. It is manufactured using a well engineered combination of toughened plastic and overlap welded aluminium. This composite of high quality materials means that Multi-Layer Pipe has similar durability to metal pipes such as copper, but is also lightweight, easy to cut, shape and install like plastic pipes. It is a tried and tested product designed to give plumbers and installers the perfect balance of dependability and ease of installation.

## Advantages:

-  Easy to cut, bend & fit
-  Broad operating temperature range
-  100% oxygen barrier
-  Corrosion free
-  25 year insurance backed guarantee

## Multi-Layer PERT-AL-PERT Pipe:

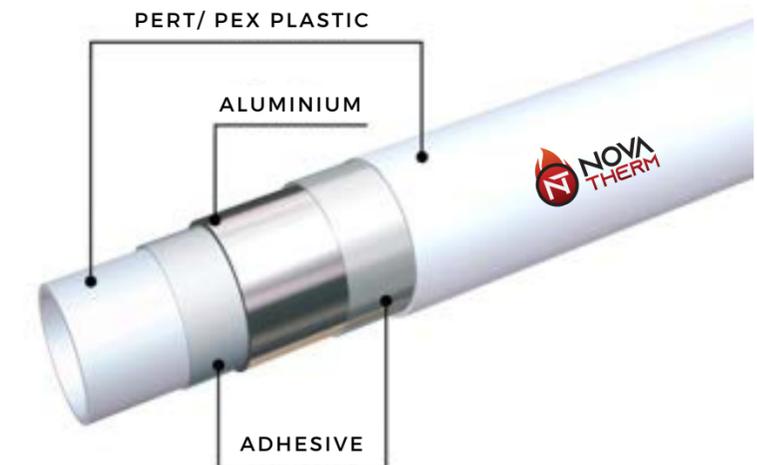
Description	Product Code
12mm Multilayer Pipe 80m	NP2-0912-80
12mm Multilayer Pipe 240m	NP2-0912-240
16mm Multilayer Pipe 80m	NP2-1216-80
16mm Multilayer Pipe 100m	NP2-1216-100
16mm Multilayer Pipe 150m	NP2-1216-150
16mm Multilayer Pipe 200m	NP2-1216-200
16mm Multilayer Pipe 300m	NP2-1216-300
16mm Multilayer Pipe 500m	NP2-1216-500

## Multi-Layer PEX-AL-PEX Pipe:

Description	Product Code
16mm Multilayer Pipe 100m	NP1-1216-100-W
20mm Multilayer Pipe 50m	NP1-1620-50-W
25mm Multilayer Pipe 50m	NP1-2025-50-W
32mm Multilayer Pipe 50m	NP1-2632-50-W

## Multi-Layer PEX-AL-PEX Pre Insulated Pipe:

Description	Product Code
NovaTherm™ 5 Layer 16mm PEX-AL-PEX Pre Insulated Pipe - 100 Metre Coil - WRAS Approved & Certified - 50 Year Guarantee	NP3-1216-100-W-PI
NovaTherm™ Multilayer 20mm PEX-AL-PEX Pre Insulated Pipe - 50 metres - WRAS Approved & Certified - 50 Year Guarantee	NP3-1620-50-W-PI
NovaTherm™ Multilayer 25mm PEX-AL-PEX Pre Insulated Pipe - 50 metres - WRAS Approved & Certified - 50 Year Guarantee	NP3-2025-50-W-PI
NovaTherm™ Multilayer 32mm PEX-AL-PEX Pre Insulated Pipe - 50 metres - WRAS Approved & Certified -- 50 Year Guarantee	NP3-2632-50-W-PI



## Description:

The NovaTherm™ manifold is designed specifically for heating systems, and suitable for radiator heating and radiant floor heating systems. The flow manifold is equipped with flow rate regulating valves (flow meters). They can accurately adjust the flow rate of each outlet. The flow meter valve is designed with a protective cover. Once flow adjustment has been completed, ensure this is put back in place in order to prevent mis-operation.

The return manifold is equipped with shut-off valves in order to cut off the flow to the individual circuits. They can also be fitted with a thermo-electric actuator to realise automatic temperature control. The stroke of electro-thermal actuator should be more than 3mm.

## Technical Specifications:

Performance	
Medium	Water, Glycol Solutions. Max Percentage of Glycol is 30%
Working Temperature Range	5-100°C
Maximum Working Pressure	10 Bar
Flow Meter Scale	0-5L/min
Main Connections	G1" F (ISO 228-1)
Outlets	G3/4" M (ISO 228-1)
Centre Distance	50mm

Materials	
Body	Stainless Steel
Seals	EPDM
Handle	ABS
Springs	Stainless Steel
Brackets	Steel
Adaptors	Brass

## Manifolds:

Description	Product Code
NovaTherm™ 2 Port Underfloor Heating Manifold	NMSS-1F-3/4x2
NovaTherm™ 3 Port Underfloor Heating Manifold	NMSS-1F-3/4x3
NovaTherm™ 4 Port Underfloor Heating Manifold	NMSS-1F-3/4x4
NovaTherm™ 5 Port Underfloor Heating Manifold	NMSS-1F-3/4x5
NovaTherm™ 6 Port Underfloor Heating Manifold	NMSS-1F-3/4x6
NovaTherm™ 7 Port Underfloor Heating Manifold	NMSS-1F-3/4x7
NovaTherm™ 8 Port Underfloor Heating Manifold	NMSS-1F-3/4x8
NovaTherm™ 9 Port Underfloor Heating Manifold	NMSS-1F-3/4x9
NovaTherm™ 10 Port Underfloor Heating Manifold	NMSS-1F-3/4x10
NovaTherm™ 11 Port Underfloor Heating Manifold	NMSS-1F-3/4x11
NovaTherm™ 12 Port Underfloor Heating Manifold	NMSS-1F-3/4x12



## Description:

The NovaTherm™ compact T4 thermostatic 4 port pump set, comes complete with:

- 🔥 20°C – 55°C temperature range suited for force screed drying in accordance with (BS1264).
- 🔥 'A' rated Grundfos UPM3 Auto pump.
- 🔥 Integrated check valves for easy filling.
- 🔥 Temperature gauge.
- 🔥 Assembled in the UK: pre-tested, packaged and ready for instant installation.
- 🔥 2 Year warranty.
- 🔥 Fully reversible (Left or Right sided manifold).
- 🔥 Side or bottom entry connections.
- 🔥 Available in 200mm, 210mm and 225mm manifold connection centres.

## Pumps:

Description	Product Code
MultiZone Temperature Control Pump	ESS-UFH-T4-G-210
Single Zone Temperature Control Pump	ESS-SINGLE-G-T
Pre-Assembled Heatpump Circulation Pack	ESS-UFH-H4-G-210
Grundfos UPM3 Auto - A-Rated Circulation Pump	ESS-G-25-7



## Manifold Connectors:

Description	Product Code
Connector Cores/ Eurocone 16mm x 3/4"	NF1-C1216x3/4A
Connector Cores/ Eurocone 12mm x 3/4"	NF1-C0912x3/4A
NovaTherm™ Connector Cores / Eurocones 15mm x3/4" - Connecting pipe to manifold	NF1-C15x3/4A
NovaTherm™ Connector Cores / Eurocones 20mm x3/4" - Connecting pipe to manifold	NF1-C1620x3/4A
Pump Connector Pack - 22mm (Pack of 2)	ESS-UFH-22
Pump Connector Pack - 28mm (Pack of 2)	ESS-UFH-28



## Valves:

Description	Product Code
Ball Valves Pair	NM-MANBVx2
Manifold Ball Valve & Gauge	NM-TGBVx2
2 Port Motorized Zone Valve	ZONE250305
NovaTherm™ Auto Air Vent End Unit	NM-AV
NovaTherm™ Pressure Gauge End Unit	NM-PG
NovaTherm™ Flow Meter	NTZL-1211



## Actuators:

Description	Product Code
Watts 230V Electrothermic Actuator	22CX230NC2
NovaTherm™ 230V Electrothermic Actuator	22CX230NC2 - NT

## Underfloor Heating Accessories:

Description	Product Code
1m Length Self-Adhesive Clip Rail	GRAIL-16-100
60mm UFH Pipe Staples	KU-16-60x300
40mm UFH Pipe Staples	KU-16-40x300
NovaTherm™ Pipe Support Bends	NT-PSB
50m Perimeter Edge Insulation	EI-50
NovaTherm™ 3/4" Female Blank Cap	BC-3/4"F
NovaTherm™ Aluminium Heat Diffuser Plate - Double Channel	AHDP-2
NovaTherm™ Aluminium Heat Diffuser Plate - Triple Channel	AHDP-3

## Underfloor Heating Tools:

Description	Product Code
Tacker Gun for UFH Clips	TACKER 100
Pipe Decoiler	PD-16-500
12mm, 16mm, 20mm Pipe Reamer	ZYD2-12-16-20
12mm - 32mm Multi Layer Pipe Cutter	GJIII



## Wireless Thermostats:

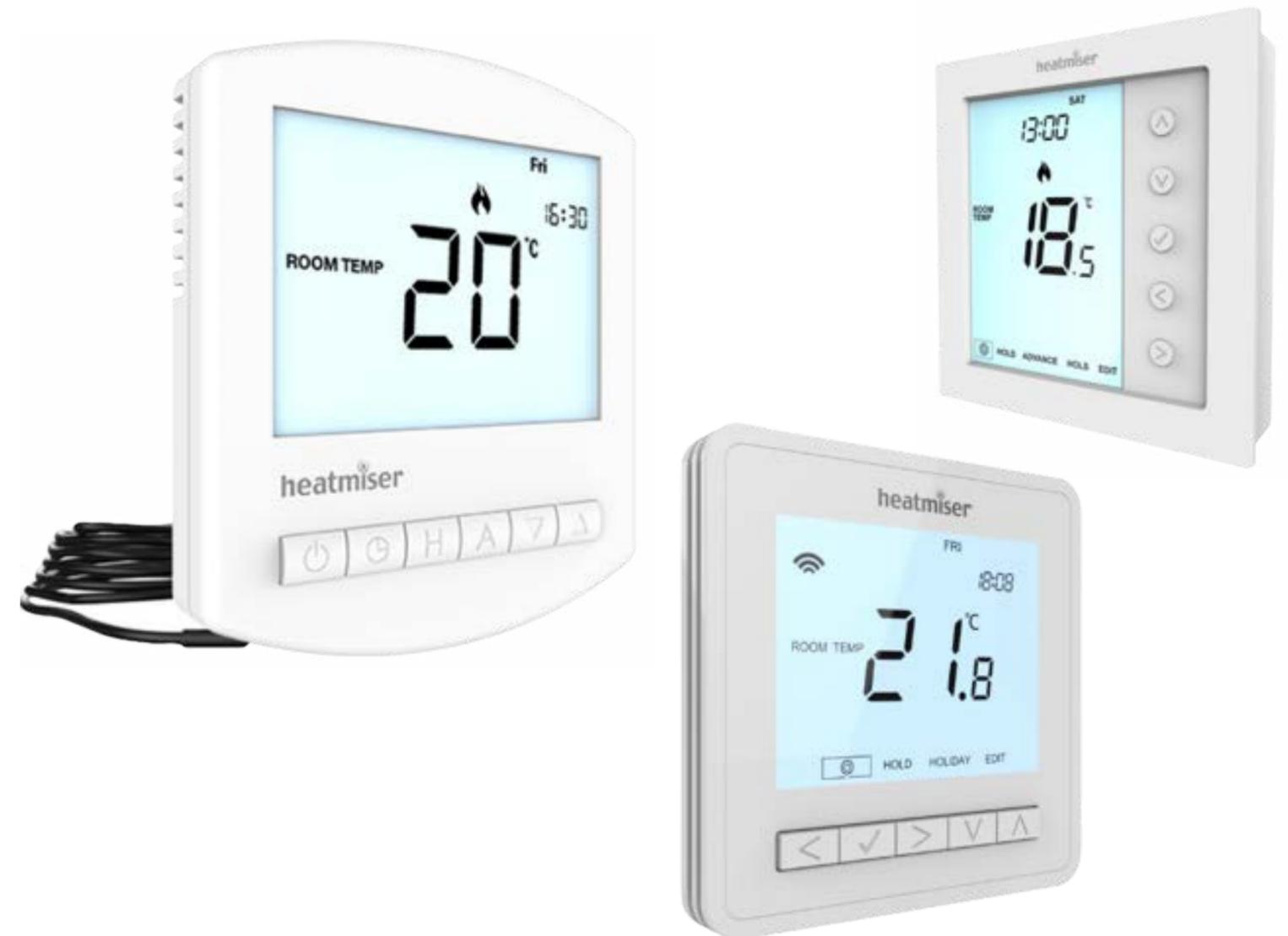
Description	Product Code
Heatmiser Slimline-RF Wireless Thermostat	SLIMLINE-RF V2
Heatmiser NeoAir Wireless Thermostat	NEO-AIR V2
Heatmiser Two Channel Wireless Receiver	RF-SWITCH
NovaTherm™ Quantum RF Programmable Thermostat	SQ610 RF

## Wired Thermostats:

Description	Product Code
Heatmiser Slimline Programmable Thermostat	SLIMLINE V3
Heatmiser Touchscreen Programmable Thermostat - Carbon also available.	TOUCH V2
Heatmiser Edge - Modbus Multi Mode	EDGE
Heatmiser Dial Thermostat	DS1
Heatmiser Manual Underfloor Heating Thermostat with LCD - Lockable	DS1-L
Heatmiser NeoStat White (Black & Silver Also Available)	NEOSTAT V2
Heatmiser NeoStat-HW (Hot Water Programmer)	NEOSTAT-HW V2
Heatmiser NeoStat - 12 Volt APP Controlled Programmable Thermostat - Glacier White (Black & Silver also available).	NEOSTAT 12V
NovaTherm™ Quantum 230v Programmable Smart Thermostat	SQ610

## Electric Thermostats:

Description	Product Code
Heatmiser Slimline-E	SLIMLINE-E V2
Heatmiser NeoStat-E	NEOSTAT- E V2
Heatmiser Slimline-B	SLIMLINE-B



## Wiring Centres:

Description	Product Code
Heatmiser 4 Zone Wiring Centre	UH4
NovaTherm™ 5 Zone Wiring Centre	CB500
NovaTherm™ 5 Zone Wiring Centre Extension Module	CB500X
Heatmiser 8 Zone Wiring Centre	UH8
Heatmiser 8 Zone Wireless Wiring Centre	UH8-RF
NovaTherm™ 8 Zone RF Wiring Centre	KLO8RF

## Accessories:

Description	Product Code
Heatmiser Sensor Probe	SENSOR PROBE-HMISER
NovaTherm™ Floor Sensor Probe	FS4000
Heatmiser Thimble Sensor	THIMBLE SENSOR
Heatmiser Sensor Probe Housing	ENO30
Heatmiser NeoHub	NEOHUB GEN 2
Heatmiser NeoPlug	NEOPLUG
Heatmiser NeoAir Stand (White)	NEO-AIR STAND
NovaTherm™ Boiler Receiver	RX10RF
NovaTherm™ Smart Plug	SP600
NovaTherm™ Co-Ordinator	CO10RF
NovaTherm™ Quantum Docking Station	CDUK
NovaTherm™ Smart Relay	SR600
NovaTherm™ Universal Gateway Hub	UG600



**NovaTherm™  
NovaPro**



The dual purpose panel 1200x600x20mm 400 kPa EPS with an aluminium foil faced surface for 16mm pipe. Also available in 16mm for 12mm pipe

**NovaTherm™  
NovaHeat**



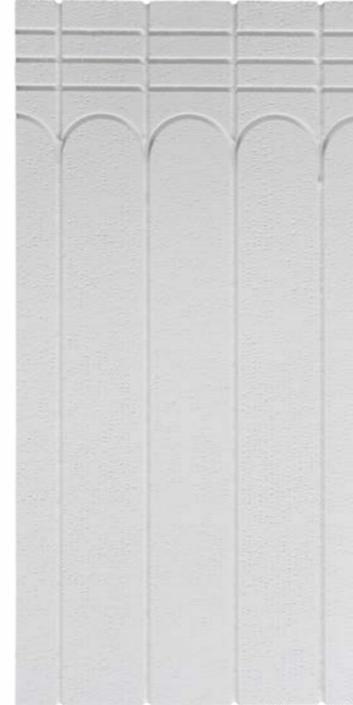
The pre-grooved gypsum fibre cement board. Available in 1200x600x18 and 800x600x18, with various designs for 12mm pipe

**NovaTherm™  
NovaChip**



The grooved P5 MR Chipboard 1200 x 600 x 22mm, 4 Grooves @ 150mm centres + radius returns @ both ends for 12mm O.D pipe

**NovaTherm™  
NovaPanel**



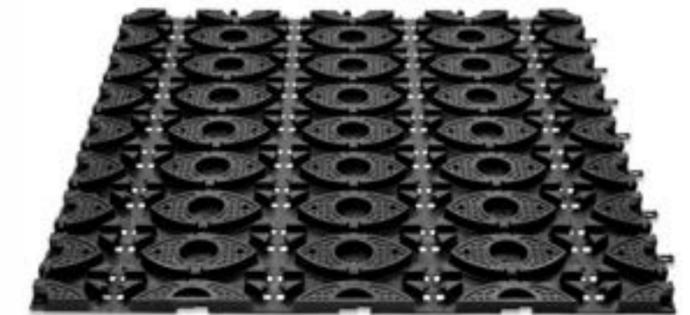
The solid floor routed XPS insulation board (300 kPa) - Tile Direct - 1200x600. Available in 18mm for 12mm pipe and 25mm for 16mm pipe

**NovaTherm™  
NovaDeck**



The solid floor XPS Insulation Board with fibre reinforced cementitious layer each side - Tile Direct - 1200x600. Available in 20mm for 16mm pipe and 16mm for 12mm pipe

**NovaTherm™  
NovaFix**



The Ideal Fast Fit Underfloor Heating System. Low profile 15mm Panel to hold 12mm pipe - Each Panel 600x600mm - PACK of 10. Coverage/Pack: 3.6m<sup>2</sup> - Tile directly on top

## Standard XPS Boards:

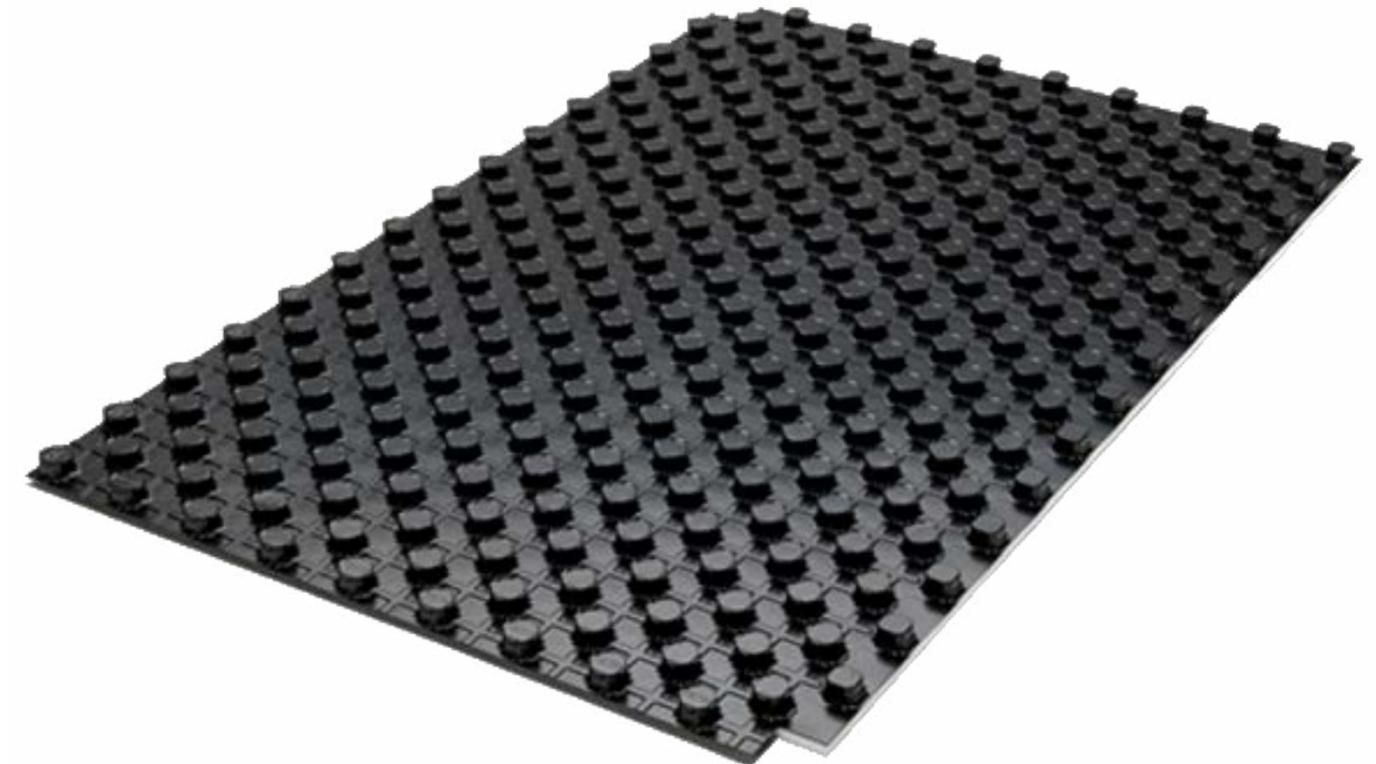
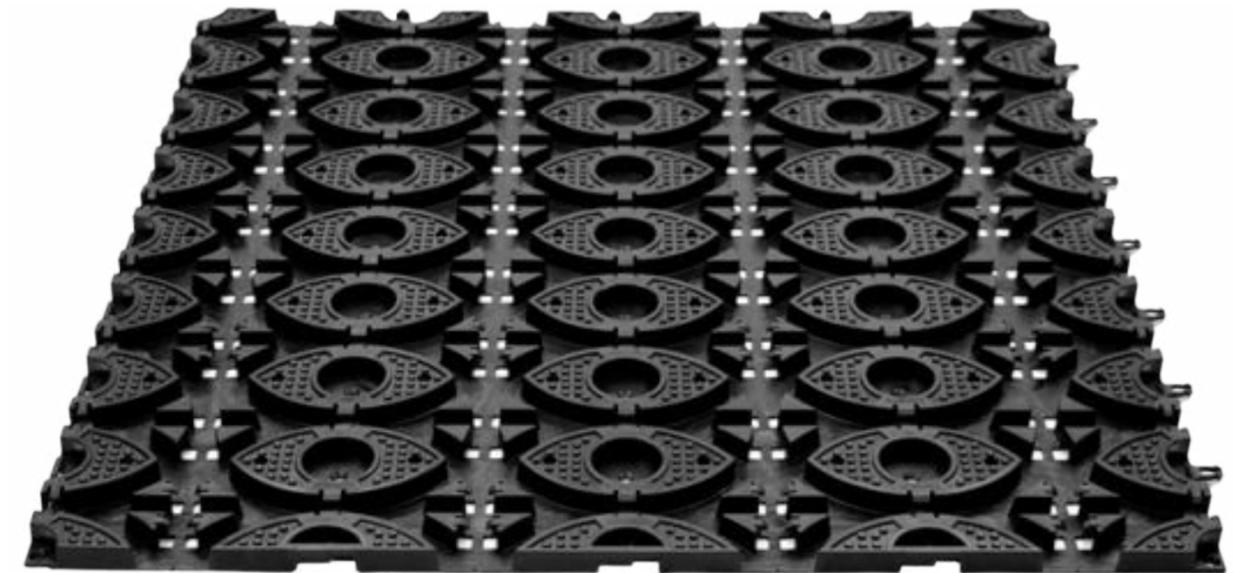
Description	Product Code
6mm XPS Insulation Board 1200x600mm	XPS-PRO6
10mm XPS Insulation Board 1200x600mm	XPS-PRO10
20mm XPS Insulation Board 1200x600mm	XPS-PRO20

## NovaTherm™ Castellated Panels:

Description	Product Code
NovaTherm™ NovaFix Panel – The Ideal Fast Fit Underfloor Heating System. Low profile 15mm Panel to hold 12mm pipe – Each Panel 600x600mm – PACK of 10. Coverage/Pack: 3.6m <sup>2</sup> – Tile directly ontop	PP600
NovaFix Plus Panel. The Ideal Fast Fit Underfloor Heating System for 16mm Pipe. – Each Panel 1200x600mm	PPLUS-1200
NovaTherm™ NovaCrate Underfloor Heating Plastic Castellated Floor Panel. Each Panel 1220 x 820 x 20mm ( = 1m <sup>2</sup> /Panel). For 15 & 16mm pipe at 50,100,150 & 200mm Pipe Centres	CPUFH002CP
NovaTherm™ NovaCrate Underfloor Heating Plastic Castellated Floor Panel. Each Panel 1220 x 820 x 15mm ( = 1m <sup>2</sup> /Panel). For 12mm pipe at 50,100,150 & 200mm Pipe Centres with Screed Holes and Self Adhesive	CPUFH003CP -12+SH+SA

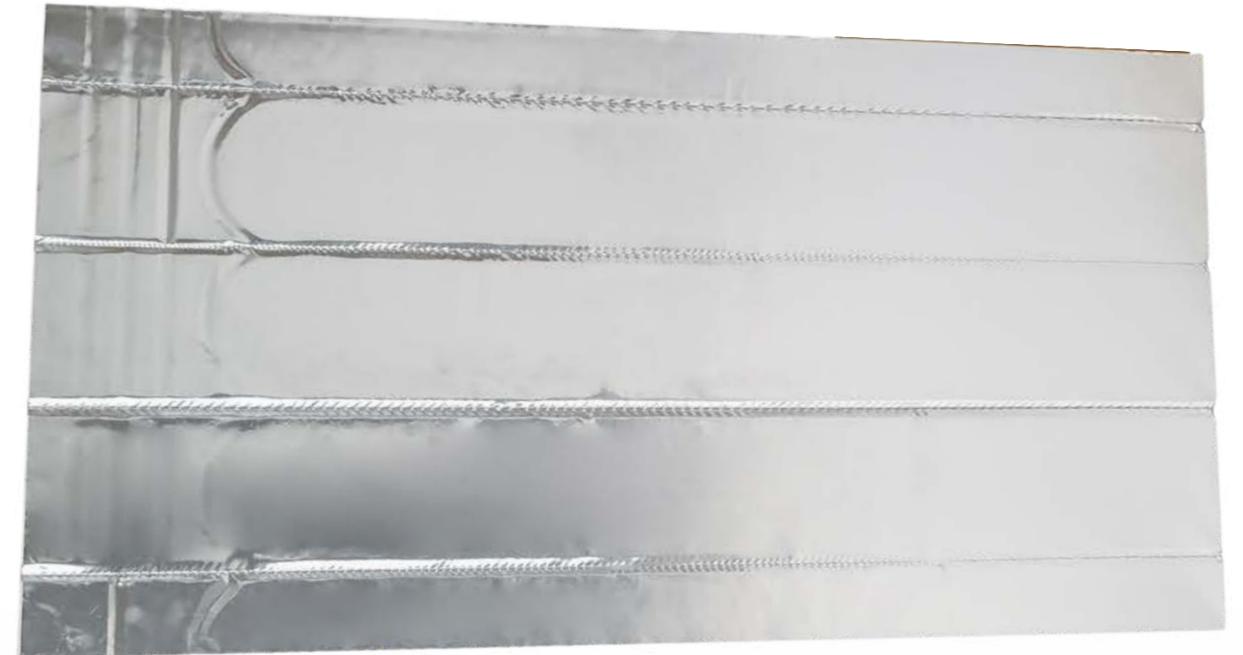
## Tile Backer Boards:

Description	Product Code
4mm Tile Backer Board 1200x600mm	TBB-XPS-PRO4
6mm Tile Backer Board 1200x600mm	TBB-XPS-PRO6
10mm Tile Backer Board 1200x600mm	TBB-XPS-PRO10



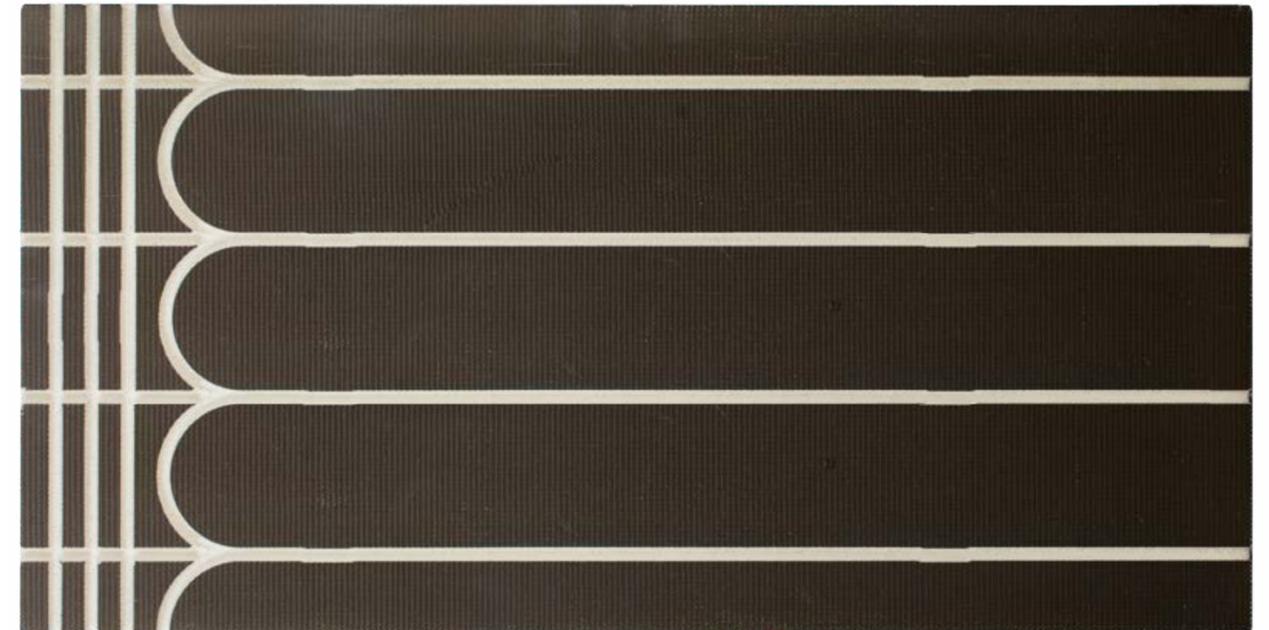
## Floated Floor Routed & Foil Panels:

Description	Product Code
NovaTherm™ Routed & Foiled XPS - 1200 x 600 x 18mm, 4 Grooves @ 150mm Centres to Suit 12mm Pipe	RT-Foil-XPS-R200-18-150
NovaTherm™ Timber Suspended Floor Grooved & Foiled Insulation Panel Expanded Polystyrene - Grade EPS150 1200 x 350 x 50mm 2 grooves @ 200mm centres + radius returns	RT-Foil-EPS-R150-50-200
NovaTherm™ Routed & Foiled EPS - 1200x600x25mm, 4 Grooves @ 150mm Centres to Suit 16mm Pipe	RT-Foil-EPS-R200-25-150
NovaTherm™ Routed & Foiled EPS - 1200x600x25mm, 3 Grooves @ 200mm Centres to Suit 16mm Pipe	RT-Foil-EPS-R200-25-200



## NovaDeck Panels:

Description	Product Code
NovaTherm™ NovaDeck Solid Floor XPS Insulation Board with fibre reinforced cementitious layer each side - Tile Direct - 1200 x 600 x 16mm - Flat with No Grooves	NT12x6 ND SFPC12-NR
NovaTherm™ NovaDeck Solid Floor Routed XPS Insulation Board with fibre reinforced cementitious layer each side - Tile Direct - 1200 x 600 x 16mm - 4 grooves @ 150mm centres (0.72m² / Panel) for 12mm Pipe	NT12x6 ND SFPC16
NovaTherm™ NovaDeck Solid Floor Routed XPS Insulation Board with fibre reinforced cementitious layer each side - Tile Direct - 1200 x 600 x 16mm - 4 grooves @ 100mm centres (0.72m² / Panel) for 12mm Pipe	NT12x6 ND SFPC16-100
NovaTherm™ NovaDeck Solid Floor Routed XPS Insulation Board with fibre reinforced cementitious layer each side - Tile Direct - 1200 x 600 x 20mm - 4 grooves @150mm centres (0.72m² / Panel) for 16mm Pipe	NT12x6 ND SFPC20



## NovaPro Panels:

Description	Product Code
NovaTherm™ NovaPro Panel – Dual Purpose Panel 1200x600x16mm 400 kPa EPS with a 100micron foil for 12mm Pipe.	NTPPANEL16-100M
NovaTherm™ NovaPro Panel – Dual Purpose Panel 1200x600x20mm 400 kPa EPS with a 100micron foil for 16mm Pipe.	NTPPANEL20-100M

## NovaHeat Cement Boards:

Description	Product Code
NovaTherm™ Gypdeck Plain Gypsum Fibre Board 1200x600x18mm (Tongue & Groove Edge Profile)	GYPDECK 18
NovaTherm™ NovaHeat Pre-Grooved Cement Board 800x600x18mm suitable for 12mm Pipe	HEATDECK 18-S
NovaTherm™ NovaHeat Pre-Routed Gypsum Fibre Board 1200 x 600 x 18mm – Plain Edge Profile ‘Straights’ design with single radius returns at one end to suit 12mm pipe @ 150mm c/c. 4 grooves	HEATDECK 18-SR
NovaTherm™ NovaHeat Pre-Grooved Cement Board 1200 x 600 x 18mm – 4 grooves @ 150mm centres for 12mm pipe. Universal Design – lightbulb returns and 3 x cross runs machined into a straight panel	HEATDECK 18-U
NovaTherm™ NovaHeat Pre-Grooved Cement Board 1200 x 600 x 18mm (Interlocking Tongue & Groove) – 4 grooves @ 150mm centres for 12mm pipe. Universal Design – lightbulb returns and 3 x cross runs machined into a straight panel	HEATDECK 18-U TG
NovaTherm™ ThermDeck Adhesive 1.1kg Bottle – 30m2 Coverage	GYPDECK-AD



## NovaPanel – Tile Direct Boards:

Description	Product Code
NovaTherm™ NovaPanel The Solid Floor Routed 300 kPa XPS Insulation Board – Tile Direct – 1200 x 600 x 18mm – 4 grooves @ 150mm centres (0.72m <sup>2</sup> / Panel) for 12mm Pipe.	NT12X6 SFP 18MM-150
NovaTherm™ NovaPanel – The Solid Floor Routed 300 kPa XPS Insulation Board – Tile Direct – 1200 x 600 x 25mm – 4 grooves @ 150mm centres (0.72m <sup>2</sup> / Panel) for 16mm Pipe.	NT12X6 SFP 25MM-150
NovaTherm™ NovaPanel The Solid Floor Routed 300 kPa XPS Insulation Board – Tile Direct – 1200 x 600 x 25mm – 3 grooves @ 200mm centres (0.72m <sup>2</sup> / Panel) for 16mm Pipe.	NT12X6 SFP 25MM-200



## NovaChip Board Panels:

Description	Product Code
NovaTherm™ NovaChip Grooved P5 MR Chipboard 1200 x 600 x 22mm, 4 Grooves @ 150mm centres + radius returns @ both ends for 12mm O.D pipe.	NOVACHIP
NovaTherm™ NovaChip Large – Grooved P5 MR Chipboard 2400 x 600 x 22mm, 4 Grooves @ 150mm centres + radius returns @ both ends for 12mm O.D pipe.	NOVACHIP-L
NovaTherm™ NovaChip PLUS – Foil Faced Grooved P5 MR Chipboard 1200 x 600 x 22mm, 4 Grooves @ 150mm centres + radius returns @ both ends for 12mm O.D pipe.	NOVACHIP-PLUS
NovaTherm™ NovaChip PLUS Large – Foil Faced Grooved P5 MR Chipboard 2400 x 600 x 22mm, 4 Grooves @ 150mm centres + radius returns @ both ends for 12mm O.D pipe.	NOVACHIP-PLUS L



## Adhesives & Levellers:

Description	Product Code
Ultra Single Part Self Levelling Compound - 20KG	UTF PROLEVEL ONE 20
Ultra Two Part Levelling Compound - 20KG plus 1 x 4L Bottle of Latex	UTF PROLEVEL TWO
Ultra TileFix Pro Level Rapid - 20KG	UTF PLEVEL FIBRE 20
Ultra Level-IT Renovate semi rapid, fibre reinforced single part, smoothing underlayment	LEVEL IT RENOVATE
Ultra ProFlex SP Flexible Tile Adhesive - Grey 20KG	UTF PLEVEL RAPID 20
Ultra ProFlex SP Flexible Tile Adhesive - White 20KG	UTF PROFLEX SP 20 G
Ultra Extended Set Tile Adhesive - Grey 20KG	UTF PROFLEX SP 20 W
Ultra Extended Set Tile Adhesive - White 20KG	UTF PFLEX SPES 20 G
Ultra Proflex S2-Fibre Reinforced Flexible Tile Adhesive - Grey 20KG	UTF PROFLEX S2 20 G
Ultra Proflex S2 - Fibre Reinforced Flexiable Tile Adhesive - White 20KG	UTF PROFLEX S2 20 W
Ultra Pro Primer - 1 litre: Water Based Acrylic Primer	UTF PROPRIMER 1L
Ultra Prime IT Multi Surface Primer - 5 Litre	PRIME IT MSP

## Accessories:

Description	Product Code
NovaTherm™ 22l Canister Contact Adhesive FD170	NTPROADH-22L
NovaTherm™ Premium Spray Contact Adhesive - 500ml FD170	NTPROADH-500ML
Fermacell Jointing Glue 310ml	Ferm-JG
NovaTherm™ Tackifier Spray Gun	NovaTack-SG



NovaTherm™ supply a variety of Electric Underfloor Heating solutions. They are all designed to make installation as quick and easy as possible. As well as having different solutions to suit specific projects such as a Loose Cable System designed for tile/ stone floors and an In-Screed Cable System that is perfect for new build projects.

## NovaTherm 150 Watts/ m2:

Description	Product Code
NovaTherm™ 1.0m2 Mat - 150 Watts/m2	NEM150-150
NovaTherm™ 1.5m2 Mat - 150 Watts/m2	NEM150-225
NovaTherm™ 2.0m2 Mat - 150 Watts/m2	NEM150-300
NovaTherm™ 2.5m2 Mat - 150 Watts/m2	NEM150-375
NovaTherm™ 3.0m2 Mat - 150 Watts/m2	NEM150-450
NovaTherm™ 4.0m2 Mat - 150 Watts/m2	NEM150-600
NovaTherm™ 5.0m2 Mat - 150 Watts/m2	NEM150-750
NovaTherm™ 6.0m2 Mat - 150 Watts/m2	NEM150-900
NovaTherm™ 7.0m2 Mat - 150 Watts/m2	NEM150-1050
NovaTherm™ 8.0m2 Mat - 150 Watts/m2	NEM150-1200
NovaTherm™ 9.0m2 Mat - 150 Watts/m2	NEM150-1350
NovaTherm™ 10.0m2 Mat - 150 Watts/m2	NEM150-1500



## NovaTherm 200 Watts/ m2:

Description	Product Code
NovaTherm™ 1.0m2 Mat - 200 Watts/m2	NEM200-200
NovaTherm™ 1.5m2 Mat - 200 Watts/m2	NEM200-300
NovaTherm™ 2.0m2 Mat - 200 Watts/m2	NEM200-400
NovaTherm™ 2.5m2 Mat - 200 Watts/m2	NEM200-500
NovaTherm™ 3.0m2 Mat - 200 Watts/m2	NEM200-600
NovaTherm™ 4.0m2 Mat - 200 Watts/m2	NEM200-800
NovaTherm™ 5.0m2 Mat - 200 Watts/m2	NEM200-1000
NovaTherm™ 6.0m2 Mat - 200 Watts/m2	NEM200-1200
NovaTherm™ 7.0m2 Mat - 200 Watts/m2	NEM200-1400
NovaTherm™ 8.0m2 Mat - 200 Watts/m2	NEM200-1600
NovaTherm™ 9.0m2 Mat - 200 Watts/m2	NEM200-1800
NovaTherm™ 10.0m2 Mat - 200 Watts/m2	NEM200-2000



# Electric Loose Underfloor Heating Cable

NovaTherm™ Electric Loose Wire System is designed for use within the adhesive layer under tiles or within a levelling compound under other floor finishes. The variable spacing of the cable available during design and installation allows the system power to be tailored to the properties requirements. The NovaTherm™ Electric Loose Wire System is ideal for installation within small or irregularly shaped areas. In a bathroom the cable can be easily installed around the fixtures and within rooms with curved features it can easily follow the contours. The variable spacing of the cable also allows the heat output to be matched to requirements. For regularly shaped rooms the Sticky Mat system offers a quick and precise installation alternative to the Loose Wire System. Alternatively, for floor finishes other than tiles the Foil Heater System offers utilises a completely dry construction that does not require.

## NovaTherm™ Electric Loose Underfloor Heating Cable, 10 Watts p/m:

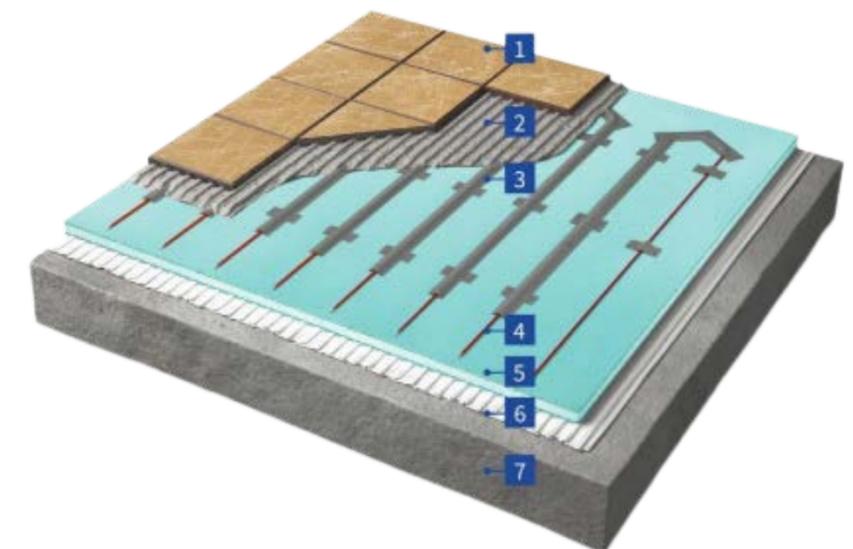
Description	NovaTherm™ Product Code	Wolseley Product Code
NovaTherm™ 50w - 5m Cable	NELC-50W-5M	N/A
NovaTherm™ 100w - 10m Cable	NELC-100W-10M	N/A
NovaTherm™ 200w - 20m Cable	NELC-200W-20M	N/A
NovaTherm™ 300w - 30m Cable	NELC-300W-30M	N/A
NovaTherm™ 400w - 40m Cable	NELC-400W-40M	N/A
NovaTherm™ 500w - 50m Cable	NELC-500W-50M	N/A
NovaTherm™ 600w - 60m Cable	NELC-600W-60M	N/A
NovaTherm™ 800w - 80m Cable	NELC-800W-80M	N/A
NovaTherm™ 1000w - 100m Cable	NELC-1000W-100M	N/A
NovaTherm™ 1200w - 120m Cable	NELC-1200W-120M	N/A
NovaTherm™ 1400w - 140m Cable	NELC-1400W-140M	N/A
NovaTherm™ 1600w - 160m Cable	NELC-1600W-160M	N/A

## NovaTherm™ Electric Loose Underfloor Heating Cable, 20+ Watts p/m:

Description	NovaTherm™ Product Code	Wolseley Product Code
NovaTherm™ 200w - 10m Cable	NELC-200W-10M	N/A
NovaTherm™ 425w - 20m Cable	NELC-425W-20M	N/A
NovaTherm™ 650w - 32m Cable	NELC-650W-32M	N/A
NovaTherm™ 830w - 40m Cable	NELC-830W-40M	N/A
NovaTherm™ 970w - 50m Cable	NELC-970W-50M	N/A
NovaTherm™ 1270w - 60m Cable	NELC-1270W-60M	N/A
NovaTherm™ 1410w - 70m Cable	NELC-1410W-70M	N/A
NovaTherm™ 1620w - 80m Cable	NELC-1620W-80M	N/A
NovaTherm™ 1890w - 90m Cable	NELC-1890W-90M	N/A
NovaTherm™ 1980w - 100m Cable	NELC-1980W-100M	N/A
NovaTherm™ 2530w - 125m Cable	NELC-2530W-125M	N/A

### Floor Construction

1. Floor Finish
2. Tile Adhesive or Levelling Compound
3. Tape
4. Loose Wire
5. Coated Insulation Board
6. Flexible Tile Adhesive
7. Subfloor



# Electric Loose Underfloor Heating Cable

## Features:

- Exceptionally quick response time with system installed directly beneath the tile floor finish.
- 4mm cable core heating cable is double insulated with an advanced fluoropolymer insulation and PVC jacket making it exceptionally tough and easy to tile over.
- Ideal for irregular shaped rooms such as bathrooms where the cable can be easily installed around the fixtures.
- By warming up and cooling down faster, before and after you use the room, the room is cooler when not in use losing less heat and saving energy.
- BEAB Approved and CE marked meeting the highest safety standards for ultimate piece of mind Lifetime Installation Guarantee.



## Technical Data:

NovaTherm™ Product Code	Colour	Heater Length	Power (W)	Load (A)	Resistance (Ω)	Resistance Bands (Ω)
NELC-50W-5M	Blue	5	50	0.22	1058.00	1005.10 - 1110.90
NELC-100W-10M	Blue	10	100	0.43	529.00	502.55 - 555.45
NELC-200W-20M	Blue	20	200	0.87	264.50	251.28 - 277.73
NELC-300W-30M	Blue	30	300	1.30	176.33	167.52 - 185.15
NELC-400W-40M	Blue	40	400	1.74	132.25	125.64 - 138.86
NELC-500W-50M	Blue	50	500	2.17	105.80	100.51 - 111.09
NELC-600W-60M	Blue	60	600	2.61	88.17	83.76 - 92.58
NELC-800W-80M	Blue	80	800	3.48	66.13	62.82 - 69.43
NELC-1000W-100M	Blue	100	1000	4.35	52.90	50.26 - 55.55
NELC-1200W-120M	Blue	120	1200	5.22	44.08	41.88 - 46.29
NELC-1400W-140M	Blue	140	1400	6.09	37.79	35.90 - 39.68
NELC-1600W-160M	Blue	160	1600	6.96	33.06	31.41 - 34.72
NELC-200W-10M	Red	10	200	0.87	264.50	251.28 - 277.73
NELC-425W-20M	Red	20	425	1.85	124.47	118.25 - 130.69
NELC-650W-32M	Red	30	650	2.83	81.38	77.32 - 85.45
NELC-830W-40M	Red	40	830	3.61	63.73	60.55 - 66.92
NELC-970W-50M	Red	50	970	4.22	54.54	51.81 - 57.26
NELC-1270W-60M	Red	60	1270	5.52	41.65	39.57 - 43.74
NELC-1410W-70M	Red	70	1410	6.13	37.52	35.64 - 39.39
NELC-1620W-80M	Red	80	1620	7.04	32.65	31.02 - 34.29
NELC-1890W-90M	Red	90	1890	8.22	27.99	26.59 - 29.39
NELC-1980W-100M	Red	100	1980	8.61	26.72	25.38 - 28.05
NELC-2530W-125M	Red	125	2530	11.00	20.91	19.86 - 21.95

# Press Fit System & Installation

## Press-Fit System:

The NovaTherm™ Press-Fitting system consists of a grooved nickel plated brass insert surrounded by a stainless steel sleeve. The high quality materials used in the manufacture of the fitting should give any installer who uses a NovaTherm™ fitting confidence in their work. When the secure crimped connection is made, the Multi-Layer Pipe and the stainless steel sleeve of the fitting are crimped together over the grooved structure of the insert and its double O-Rings. This forms a long lasting, pressure resistant seal which is formed on the inside of the pipe rather than the outside.

NovaTherm™ supply a full range of Plumbing fittings & Pipe to suit your needs. This includes fully WRAS approved Multi-Layer Pex-Al-Pex Pipe and a range of Compression & Press-Fit fittings.

-  Pipe
-  Press-Fit Fittings
-  Compression Fittings
-  Transition Fittings

## Installation:

-  **Step 1**  
Check the fitting and pipe. The pipe end should be rounded and bevelled. The fitting and pipe specifications should be compatible.
-  **Step 2**  
Aim and straight push the fitting insert into the pre sleeved pipe until the pipe out-surface can be seen through the inspection holes.
-  **Step 3**  
Choose correct size pressing jaws and clamping tool according to the pipe size. Position the jaws so that their ends align with the press sleeve's end which is by the plastic ring and close the pressing clamp completely. While the jaw is completely closed, the handles will be self-locked. Open the handles, remove the pressing tool from the fitting, and the installation is then complete.



## Equal Straight Union:

Description	Product Code
NovaTherm™ Equal Straight Connector 16mm-16mm Press Fit	NF5-S1216x1216
NovaTherm™ Equal Straight Connector 20mm-20mm Press Fit	NF5-S1620x1620
NovaTherm™ Equal Straight Connector 25mm-25mm Press Fit	NF5-S2025x2025
NovaTherm™ Equal Straight Connector 32mm-32mm Press Fit	NF5-S2632x2632

## Equal Elbow:

Description	Product Code
NovaTherm™ Equal Press Fit Elbow 16mm-16mm	NF5-L1216x1216
NovaTherm™ Equal Press Fit Elbow 20mm-20mm	NF5-L1620x1620
NovaTherm™ Equal Press Fit Elbow 25mm-25mm	NF5-L2025x2025
NovaTherm™ Equal Press Fit Elbow 32mm-32mm	NF5-L2632x2632

## Equal Tee:

Description	Product Code
NovaTherm™ Equal Tee 16mm Press Fit	NF5-T1216x1216x1216
NovaTherm™ Equal Tee 20mm Press Fit	NF5-T1620x1620x1620
NovaTherm™ Equal Tee 25mm Press Fit	NF5-T2025x2025x2025
NovaTherm™ Equal Tee 32mm Press Fit	NF5-T2632x2632x2632

## Connector Core:

Description	Product Code
NovaTherm™ 16mm x 1/2" Press Fit Connector Core	NF5-C1216x1/2
NovaTherm™ 16mm x 3/4" Press Fit Connector Core	NF5-C1216x3/4



## Straight Reducer:

Description	Product Code
NovaTherm™ Unequal (Reducing) Straight Connector 20mm-16mm Press Fit	NF5-S1620x1216
NovaTherm™ Unequal (Reducing) Straight Connector 25mm-16mm Press Fit	NF5-S2025x1216
NovaTherm™ Unequal (Reducing) Straight Connector 25mm-20mm Press Fit	NF5-S2025x1620
NovaTherm™ Unequal (Reducing) Straight Connector 32mm-16mm Press Fit	NF5-S2632x1216
NovaTherm™ Unequal (Reducing) Straight Connector 32mm-20mm Press Fit	NF5-S2632x1620
NovaTherm™ Unequal (Reducing) Straight Connector 32mm-25mm Press Fit	NF5-S2632x2025



## Reducing Tee:

Description	Product Code
NovaTherm™ Unequal Press fit Tee 16mm-20mm-16mm	NF5-T1216x1620x1216
NovaTherm™ Unequal Press fit Tee 16mm-25mm-16mm	NF5-T1216x2025x1216
NovaTherm™ Unequal Press Fit Tee 20mm-16mm-16mm	NF5-T1620x1216x1216
NovaTherm™ Unequal Press Fit Tee 20mm-16mm-20mm	NF5-T1620x1216x1620
NovaTherm™ Unequal Press Fit Tee 20mm-20mm-16mm	NF5-T1620x1620x1216
NovaTherm™ Unequal Press Fit Tee 20mm-25mm-20mm	NF5-T1620x2025x1620
NovaTherm™ Unequal Press-Fit Tee 25mm-16mm-25mm	NF5-T2025x1216x2025
NovaTherm™ Unequal Press fit Tee 25mm-20mm-25mm	NF5-T2025x1620x2025
NovaTherm™ Unequal Press fit Tee 32mm-16mm-32mm	NF5-T2632x1216x2632
NovaTherm™ Unequal Press fit Tee 32mm-20mm-32mm	NF5-T2632x1620x2632
NovaTherm™ Unequal Press fit Tee 32mm-25mm-32mm	NF5-T2632x2025x2632



## Male Straight Union:

Description	Product Code
NovaTherm™ Male Straight Press Fit Union 16mm x 1/2"	NF5-S1216x1/2
NovaTherm™ Male Straight Press Fit Union 16mm x 3/4"	NF5-S1216x3/4
NovaTherm™ Male Straight Press Fit Union 20mm x 3/4"	NF5-S1620x3/4
NovaTherm™ Male Straight Union 25mm x 1"	NF5-S2025x1
NovaTherm™ Male Straight Union 32mm x 1"	NF5-S2632x1

## Demountable Female Straight Union:

Description	Product Code
NovaTherm™ Demountable Female Straight Press Fit Union 16mm x 1/2"	NF5-S1216x1/2F(H)
NovaTherm™ Demountable Female Straight Press Fit Union 16mm x 3/4"	NF5-S1216x3/4F(H)
NovaTherm™ Demountable Female Straight Press Fit Union 20mm x 3/4"	NF5-S1620x3/4F(H)
NovaTherm™ Demountable Female Straight Press Fit Union 25mm x 3/4"	NF5-S2025x3/4F(H)
NovaTherm™ Demountable Female Straight Press Fit Union 25mm x 1"	NF5-S2025x1F(H)
NovaTherm™ Demountable Female Straight Press Fit Union 32mm x 1"	NF5-S2632x1F(H)

## End Cap:

Description	Product Code
NovaTherm™ End Cap - 16mm Press Fit	NF5-D1216
NovaTherm™ End Cap - 20mm Press Fit	NF5-D1620
NovaTherm™ End Cap - 25mm Press Fit	NF5-D2025
NovaTherm™ End Cap - 32mm Press Fit	NF5-D2632



## Male Elbow:

Description	Product Code
NovaTherm™ Male Press Fit Elbow 16mm x 1/2"	NF5-L1216x1/2

## Wall Plated Female Elbow:

Description	Product Code
NovaTherm™ Wall-Plated Female Press Fit Elbow 16mm x 1/2"	NF5-L1216x1/2F(Z)

## Radiator Elbow:

Description	Product Code
NovaTherm™ Radiator Elbow (Chrome) - Crimp Fit 16mm x 15mm	NF5-L1216x15S

## Tools:

Description	Product Code
NovaTherm™ Manual Pressing Clamp Tool	SYQ-14-32
20mm, 25mm, 32mm Pipe Reamer	ZYD2-20-25-32
NovaTherm™ Electric Hydraulic Clamp Set - Included 16mm, 20mm, 25mm and 32mm head, 2 batteries and 1 Charger.	NT-EHCS
16mm Clamp Head	YYQB-1216
20mm Clamp Head	YYQB-1620
25mm Clamp Head	YYQB-2025
32mm Clamp Head	YYQB-2632
16mm External Bending Spring	WH-1216
20mm External Bending Spring	WH-1620
25mm External Bending Spring	WH-2025
32mm External Bending Spring	WH-2632



## Press – Brass Tail:

Description	Product Code
NovaTherm™ 16mm Pex-Al-Pex Press-Fit – 15mm Brass Tail	NF5-S1216x15Cu A(MUL)
NovaTherm™ 20mm Pex-Al-Pex Press-Fit – 15mm Brass Tail	NF5-S1620x15Cu A(MUL)
NovaTherm™ 20mm Pex-Al-Pex Press-Fit – 22mm Brass Tail	NF5-S1620x22Cu A(MUL)
NovaTherm™ 25mm Pex-Al-Pex Press-Fit – 22mm Brass Tail	NF5-S2025x22Cu A(MUL)
NovaTherm™ 25mm Pex-Al-Pex Press-Fit – 28mm Brass Tail	NF5-S2025x28Cu A(MUL)
NovaTherm™ 32mm Pex-Al-Pex Press-Fit – 28mm Brass Tail	NF5-S2632x28Cu A(MUL)

## MTA Terminal Adaptor:

Description	Product Code
NovaTherm™ MTA terminal adaptor 16mm x 1/2"	NF1-C1216x1/2A(III)

## Copper Compression Adaptors:

Description	Product Code
NovaTherm™ 16mm Pex to 15mm Copper Adaptors – Compression Fit	NF1-S1216x15Cu2 C(MUL)



## Equal Straight Union:

Description	Product Code
NovaTherm™ 12mm Compression Coupling	NF1-S0912x0912 C
NovaTherm™ 16mm Compression Coupling	NF1-S1216x1216 C



## Male Straight Union:

Description	Product Code
NovaTherm™ Male Straight Union 12mm x 1/2" Compression	NF1-S0912x1/2 C
NovaTherm™ Male Straight Union 16mm x 1/2" Compression	NF1-S1216x1/2 C



## Equal Elbow:

Description	Product Code
NovaTherm™ 16mm Equal Elbow - Compression Fit	NF1-L1216x1216 C

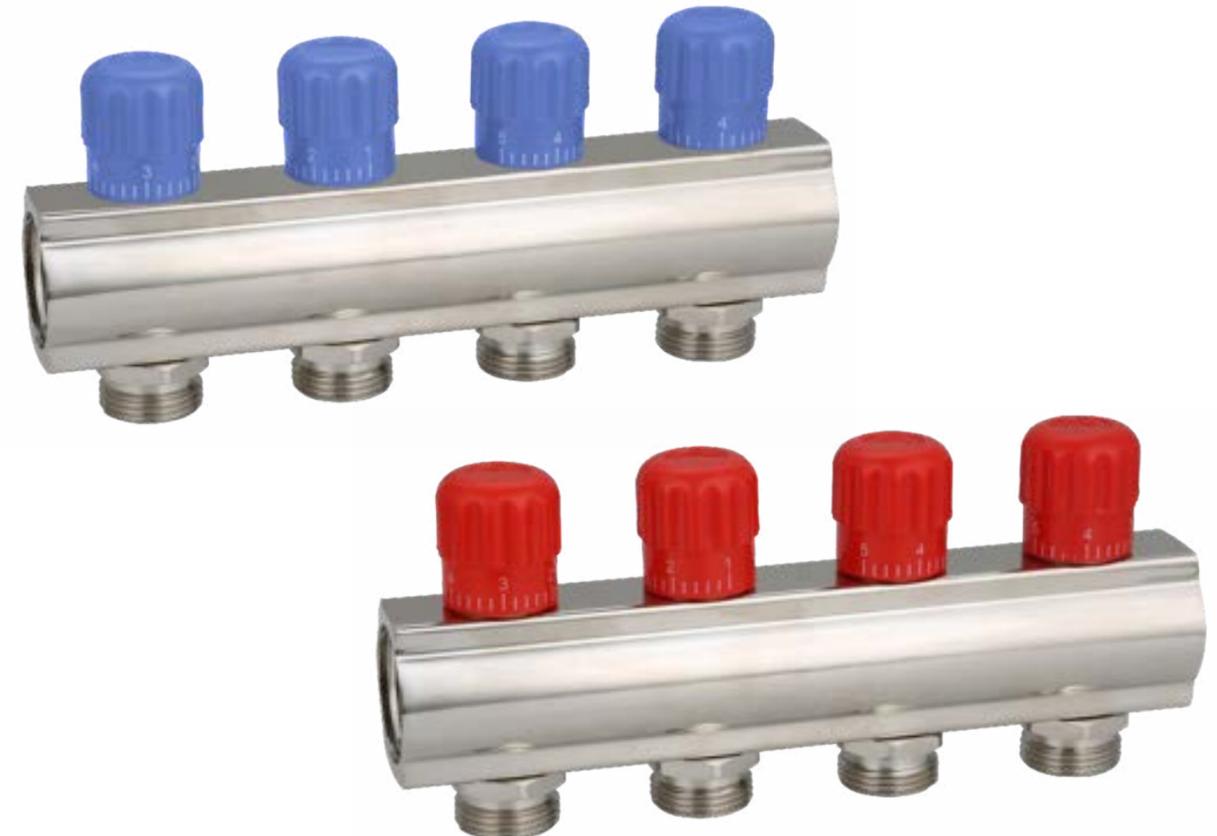


## NovaTherm™ 1" Plumbing Manifolds:

Description	Product Code
NovaTherm™ 1" (Single) Bracket for 1" Plumbing Manifolds	NFS5-1-1 - Bracket
NovaTherm™ 2 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x2 - Blue
NovaTherm™ 3 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x3 - Blue
NovaTherm™ 4 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x4 - Blue
NovaTherm™ 5 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x5 - Blue
NovaTherm™ 6 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x6 - Blue
NovaTherm™ 7 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x7 - Blue
NovaTherm™ 8 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x8 - Blue
NovaTherm™ 9 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x9 - Blue
NovaTherm™ 10 Ways 1" Brass Nickel-plated Manifold - Blue Handle	NFS5-1-3/4x10 - Blue
NovaTherm™ 2 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x2 - Red
NovaTherm™ 3 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x3 - Red
NovaTherm™ 4 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x4 - Red
NovaTherm™ 5 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x5 - Red
NovaTherm™ 6 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x6 - Red
NovaTherm™ 7 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x7 - Red
NovaTherm™ 8 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x8 - Red
NovaTherm™ 9 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x9 - Red
NovaTherm™ 10 Ways 1" Brass Nickel-plated Manifold - Red Handle	NFS5-1-3/4x10 - Red

## NovaTherm™ 3/4" Plumbing Manifolds:

Description	Product Code
NovaTherm™ 3/4" Pair Bracket for 3/4" Plumbing Manifolds	NFS5-3/4-3/4 - Bracket
NovaTherm™ 2 Port 3/4" Manifold with 1/2" Outlet - Red Handle	NFS5-3/4-1/2x2 - Red
NovaTherm™ 3 Port 3/4" Manifold with 1/2" Outlet - Red Handle	NFS5-3/4-1/2x3 - Red
NovaTherm™ 4 Port 3/4" Manifold with 1/2" Outlet - Red Handle	NFS5-3/4-1/2x4 - Red
NovaTherm™ 2 Port 3/4" Manifold with 1/2" Outlet - Blue Handle	NFS5-3/4-1/2x2 - Blue
NovaTherm™ 3 Port 3/4" Manifold with 1/2" Outlet - Blue Handle	NFS5-3/4-1/2x3 - Blue
NovaTherm™ 4 Port 3/4" Manifold with 1/2" Outlet - Blue Handle	NFS5-3/4-1/2x4 - Blue

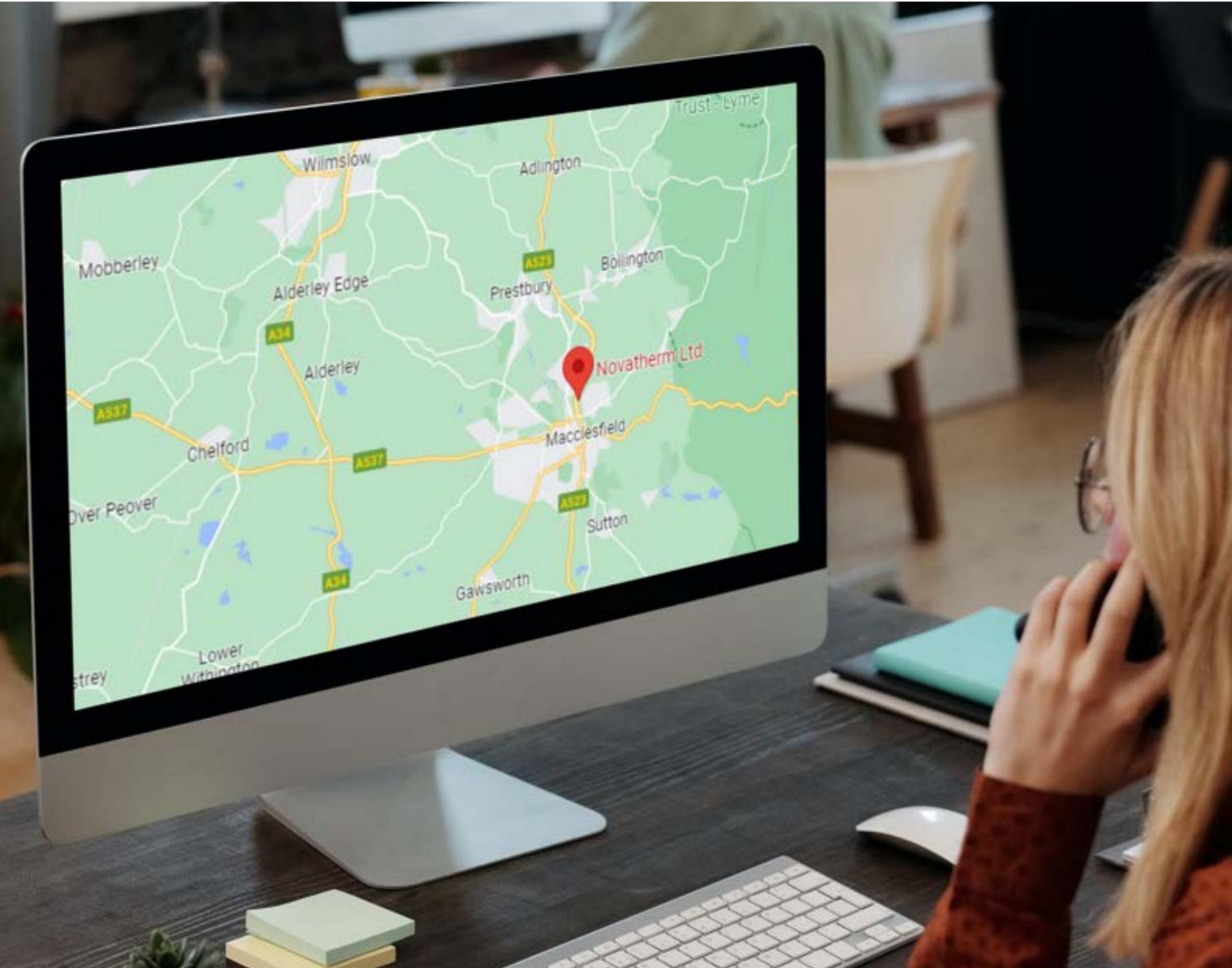


NovaTherm™ pre-packaged underfloor heating kits are designed for an easy order solution. Each kit will include Pump & Mixing Valve; Manifold; Multi-Layer Pipe; Digital Thermostat; Clips; Edge Insulation; Pipe Reamer & Cutter.

## Underfloor Heating Kits:

Description	Product Code
NovaTherm™ 20sqm Single Zone UFH Kit	499000
NovaTherm™ 20sqm Multi Zone UFH Kit	499002
NovaTherm™ 30sqm Multi Zone UFH Kit	499005
NovaTherm™ 40sqm Multi Zone UFH Kit	499007
NovaTherm™ 50sqm Multi Zone UFH Kit	499009
NovaTherm™ 60sqm Multi Zone UFH Kit	499011
NovaTherm™ 70sqm Multi Zone UFH Kit	499013
NovaTherm™ 80sqm Multi Zone UFH Kit	499015
NovaTherm™ 90sqm Multi Zone UFH Kit	499017
NovaTherm™ 100sqm Multi Zone UFH Kit	499019
NovaTherm™ 120sqm Multi Zone UFH Kit	499021
NovaTherm™ 140sqm Multi Zone UFH Kit	499023
NovaTherm™ 160sqm Multi Zone UFH Kit	499025
NovaTherm™ 180sqm Multi Zone UFH Kit	499027
NovaTherm™ 200sqm Multi Zone UFH Kit	499029
NovaTherm™ 220sqm Multi Zone UFH Kit	499031
NovaTherm™ 240sqm Multi Zone UFH Kit	499033





## Contact Us:



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PRODUCT CATALOGUE

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