

Energy Efficient Baseboard Heating



SPACE SAVING • ENERGY SAVING • COST SAVING



**As seen on
Dragons' Den**

... and installed in the **NHS**



 **DiscreteHeat**[™]
company limited

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Regency OG in Cricket White

Why should I choose ThermaSkirt®?

Until very recently there have only been 2 principal forms of room heating – radiators and radiant floor heating. Radiators have dominated the market as they are simple, responsive and inexpensive, but more recently radiant floor heating has become more popular, despite the cost, upheaval and disruption the installation can cause, and its unsuitability for many existing homes.

Why?

Because most of us would prefer not to have ugly lumps of metal on the wall, and the heat distribution of underfloor heating makes our rooms feel more comfortable. However, under floor heating has been proven to be less effective in timber construction and under certain materials such as laminate and carpet. Radiant floor heating's slow response means that it has to be 'on' when it should be 'off' in order to respond in a reasonable time.

So how can you combine the responsiveness and simplicity of radiator, with the comfort and space saving of radiant floor heating? How can you improve the energy efficiency and reduce the carbon footprint not just of new build developments, but of the millions of existing properties already built?

Simple - ThermaSkirt®; the baseboard that heats your home.



Photo courtesy of American Micro Solar Inc.

Over 8,000 Systems installed worldwide

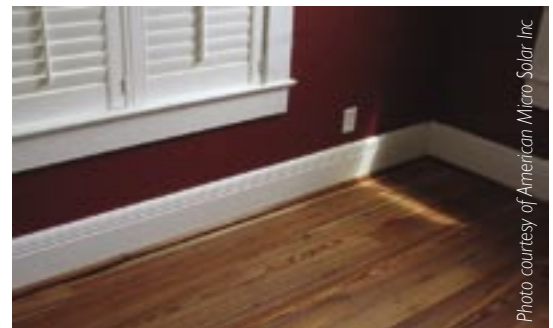


Photo courtesy of American Micro Solar Inc.

ThermaSkirt® replaces the baseboard and heating in one



How Does ThermaSkirt® Work

ThermaSkirt® is a high tech alloy polymer extrusion that replaces the baseboard and radiators in one. Warm water flows through the patented integral oval tubes and heats the baseboard front. This distributes the heat quickly and evenly all around the room, at low level – just like under floor heating. In addition, it frees up your wall space to maximise your usable living area.

Comfort

ThermaSkirt® can make the room feel comfortable at lower operating temperatures. This can save up to 25% on your annual heating costs and significantly reduce your carbon footprint.

Control

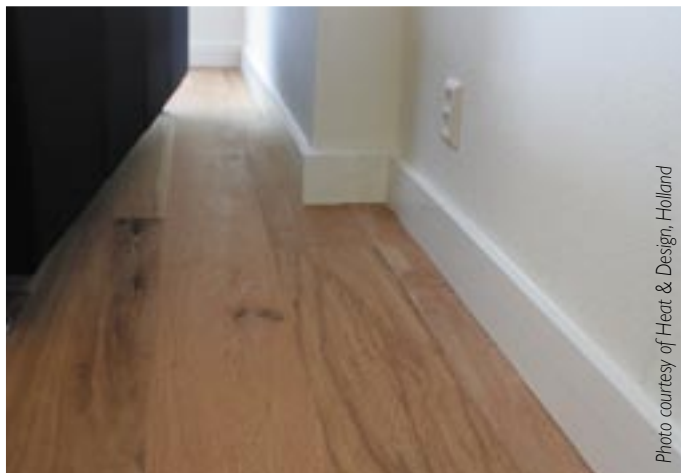
ThermaSkirt® is able to respond in minutes, whatever your floor construction or finish, and being able to control the heating so quickly enables you to use just enough energy, only when you need it. This can also help reduce your fuel bills.

Eco Friendly

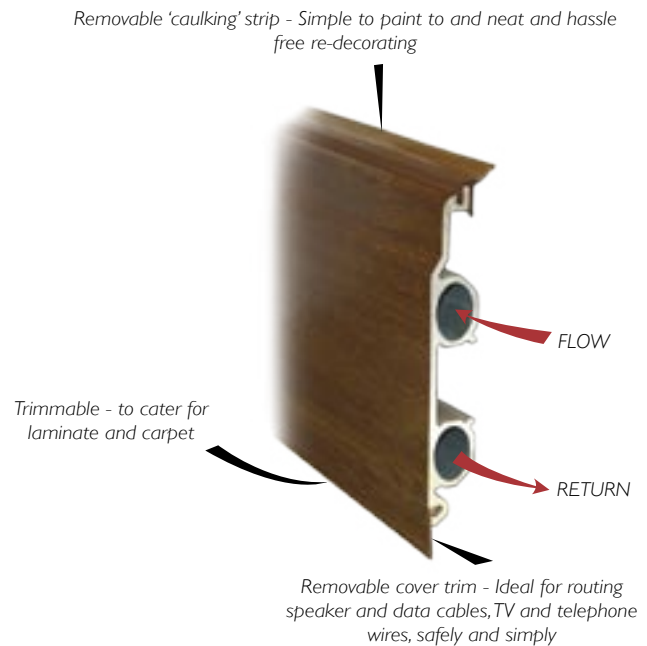
The larger surface area afforded by ThermaSkirt® enables renewables such as solar panels or heat pump system to be used. As it is fitted 'above ground' it can be installed in many more existing buildings - something that would be impossible without the upheaval required to fit underfloor heating.



Cricket White Urban LT in bathroom



Deco PR used on wooden floor



ThermaSkirt® Works With Any Floor Finish

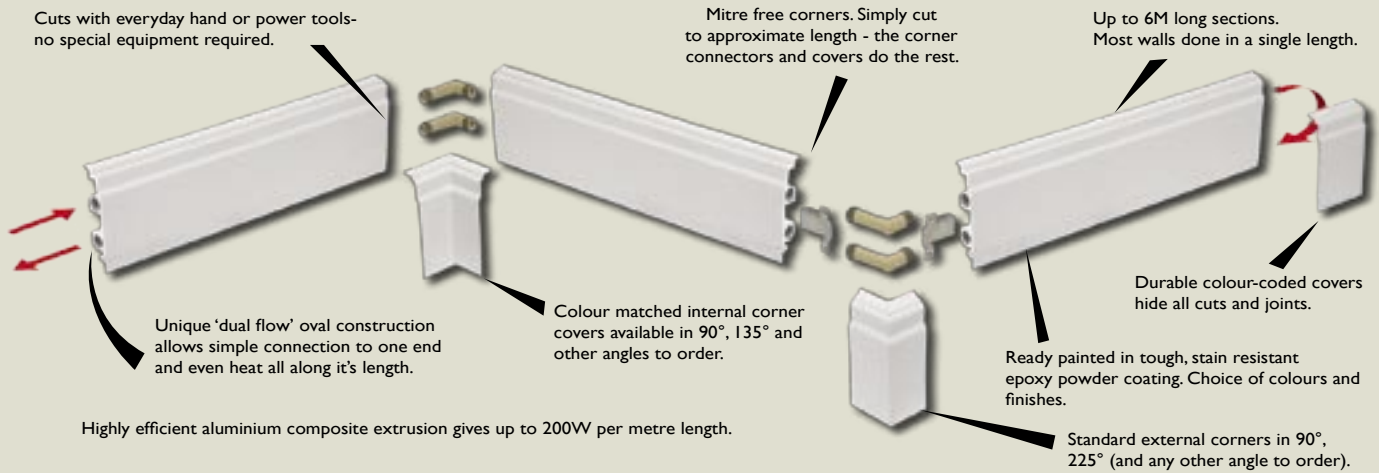
There's no doubt that radiant floor heating works well under hard surfaces such as tiles and marble, but not every home has or would like these floor finishes. The performance of radiant floor heating is severely compromised when carpets, rugs or timber flooring are used, and when a timber sub floor is the method of construction, the practicality and reliability of radiant floor pipe work is rarely appropriate or recommended. In addition, the naturally slow response times of radiant floor heating caused by its thermal mass, means that it has to be run continuously (sometimes misleadingly referred to as 'knock back' mode) in order for it to have a chance of responding to a sudden drop in temperature. Even complicated control systems and weather compensation sensors cannot overcome this inherent drawback.

Simple Installation

ThermaSkirt® can be installed directly onto the existing heating system if required, eliminating the need for sophisticated manifold, control & actuators. Alternatively, a manifold and room sensor may be employed for precise room temperature and surface temperature control. (See TherMiser system - page 18).

Response Times

Responding in minutes, ThermaSkirt® avoids the problems of under heating as well as overheating, allowing just enough energy to be used only when it's needed. None of your energy is wasted heating the property at times when it's unoccupied, or when the weather is warm outside. Where solid final surfaces are preferred, ThermaSkirt® can work in conjunction with radiant floor heating to provide a responsive and complimentary alternative to radiators at 1st floor, or when renewable energy heat sources are employed. Go to www.discreteheat.co.uk/thermaheat.html for an animated explanation.



Typical Installation Examples

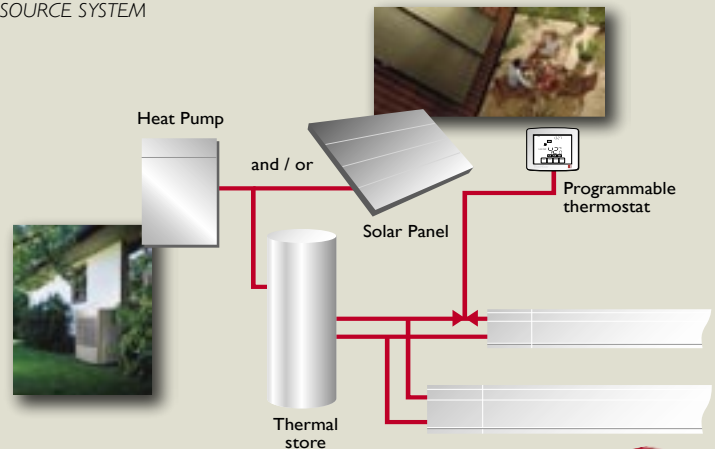
TYPICAL CONVENTIONAL BOILER SYSTEM



Reduced flow temperatures are possible, improving boiler efficiency.
(Source: BRE and Energy Saving Trust)

(Photos courtesy of Worcester Bosch)

TYPICAL RENEWABLE ENERGY SOURCE SYSTEM



Renewable Heat Incentive (RHI), SEAI (Sustainable Energy Authority Ireland) & ThermaSkirt®

RHI (Renewable Heat Incentive) & Feed in Tariffs (FIT)

ThermaSkirt® has been fitted in 100's of properties both new build and refurbished, in conjunction with Heat Pumps and Solar Thermal Systems.

By allowing the use of low temperature heat sources such as heat pumps and solar to be installed in properties that otherwise could not, ThermaSkirt® can help customers claim their RHI grants and Feed in Tariff allowances.

RetroFit for the Future

ThermaSkirt® has been selected as one of the technologies in the Government 'Retro Fit for the Future' program, that aims to reduce the CO₂ footprint of the current housing stock. Being installed above ground with minimal disturbance to the floors or structure, ThermaSkirt® is facilitating the installation of renewables into older houses and buildings.

SEAI (Sustainable Energy Authority Ireland)

ThermaSkirt's unique temperature controls has enabled the system to be accepted as part of the SEAI Home Energy Saving Scheme, available to Irish customers upgrading their home heating. Grants are available up to €750.



Why is ThermaSkirt® Better Than a Radiator?

As ThermaSkirt® heats the room from all directions at low level, you don't get drafts or hot spots created by the convection (movement of air) that radiators need to heat the room. Heat rises and then cools meaning that radiators heat the ceiling first before you – often requiring radiators to be up to 30% bigger than the room requires to compensate.

Renewable Energy Sources and Over-sized Radiators

To compensate for the lower flow temperatures of renewable sources such as solar and heat pumps, over-sized radiators are often specified. Apart from the fact that these may be up to 100% bigger and thus even more of an eyesore, this still does not solve the problems of heat distribution. At low temperatures conventional radiators 'micro-climate' that is the heat is confined to a small area near the radiator, as it does not have the thermal energy to circulate the air as they would do at normal boiler temperatures.

Renewable Energy Sources and ThermaSkirt®

ThermaSkirt® works perfectly well at low temperatures and heat distribution and thermal comfort levels are indistinguishable from radiant floor heating.

ThermaSkirt® can often heat a room from cold to comfortable in 15 - 20 minutes, because of its unique heat distribution pattern.

As well as a better radiating material, ThermaSkirt's aluminium alloy has better corrosion resistance than steel - especially as there is no air trapped in the system.

Tests Prove ThermaSkirt® to be More Efficient Than a Radiator

In an independent comparative test, undertaken by BSRIA, the Computational Fluid Dynamics (CFD) of a room being heated with ThermaSkirt® and the same room being heated with radiators, ThermaSkirt® was proven to be the most efficient form of heating, giving the best uniform heat distribution, with only a $\pm 1.3^{\circ}\text{C}$ variation, compared to a radiator with a massive 13°C variation. This equates to at least a 13% improvement in energy efficiency.

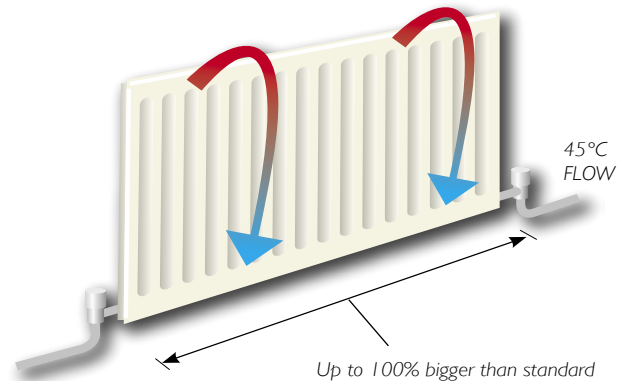
Model No	Min. °C	Max. °C	Mean Room ave. °C
Radiator double convector type (on exterior wall) producing 800w	16.8 (cold spots)	29.3 (hot spots)	18.2
ThermaSkirt® Producing 800w at DT36°C	18.7 (even heat $\pm 1^{\circ}\text{C}$) (+13%)	21.7	20.2

Quote & results taken from BSRIA test report 51397/1

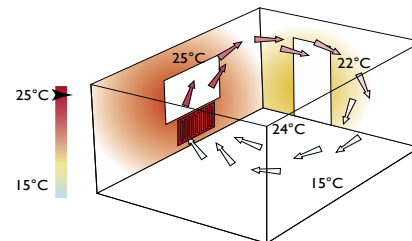
For a full explanation, computer animated results and summary, e-mail: bsriareults@discreteheat.co.uk



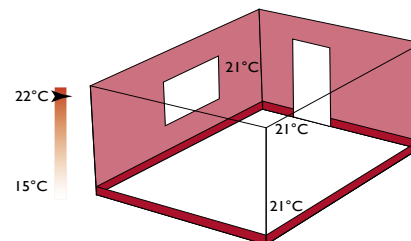
Radiators are often 30% bigger than the room requires - often making your heating bills far bigger than necessary



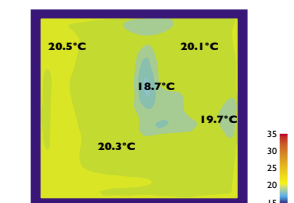
Low temperature radiators 'micro-climate' and don't distribute the heat energy around the room - despite the increase in size



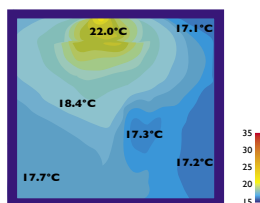
Heat from radiator creates hot spots on the ceiling and cold draughts as it cools



ThermaSkirt's heat distribution is indistinguishable from radiant floor heating



ThermaSkirt® Comfort Temperature



Radiator Comfort Temperature

Test results show that the unique thermal distribution pattern of ThermaSkirt® is practically identical to radiant floor heating.





Radiator edges, valves and exposed pipework are a potential hazard



NEW!



Unique plastic push fit connectors, ColourMatch™ corner pieces and TherMiser room and surface temperature control unit



TherMiser can limit surface temperature (see page 18)

What other benefits does ThermaSkirt® have ?

Safety

ThermaSkirt® can protect precious persons against injury as it hides all pipework and exposed valves and has no sharp edges. Falls onto radiators account for over 94% of injuries caused by them (Source: 2002 ROSPA HaSS & LaSS Statistics). ThermaSkirt's lower operating temperature can also eliminate scalds and burns, which whilst only accounting for less than 1% of radiator related injuries, is a concern for parents. Low temperature systems are available for particularly vulnerable persons. (See TherMiser system - page 18).

Speed & Reliability

ThermaSkirt® uses patented unique plastic push fit connectors to speed installation and to keep total costs down – push fit is something the whole plumbing world has now adopted. Like the aluminium baseboard itself, these are warranted against defect for a full 10 years.

The unique ColourMatch™ covers and corner pieces are made from Ultra stable uPVC that wont fade or discolour and wont make a noise during operation as the baseboard expands and contracts, sliding silently beneath them.

Hygiene **NHS**

Dust and spores trapped in the grilles and fins of conventional radiators has been identified as a major source of infection and outbreaks of C.Difficile and MRSA, as well as aggravating respiratory problems. (Source NHS Microbiology Dept.). ThermaSkirt® with it's smooth, clean, wipe down surfaces has now been installed in over 30 hospital areas.



ThermaSkirt® is the ideal heating system in your living room

Because ThermaSkirt® is beautifully made in a choice of profiles and colours, you'll be delighted at how it looks as a baseboard. ThermaSkirt® is also supplied with a removable top 'caulking gasket' and bottom 'cover trim'. The colour co-ordinated caulking gasket enables you to remove it for painting and decorating, and replace for a perfect neat finish. The matching bottom cover strip enables speaker and data cables etc to be hidden, and can be trimmed to accommodate uneven floors – just like timber baseboards.

What our customers say

"We chose ThermaSkirt® for our house because it was so stylish, unobtrusive and works perfectly with our ground source heat pump. It heats every room to a nice comfortable temperature and the customer service was absolutely first class!"

Tim & Zoe Bawtree, Channel 4's Grand Designs, 'The Cheltenham House'.

"Our daughter suffers from a rare condition known as CDKL5. We were particularly concerned about her welfare when adapting our house. We fitted ThermaSkirt® as not only does it heat the room beautifully, but also, as opposed to a conventional radiator, it is very safe if Naomi should suffer a fall whilst on her own" (details on CDKL5 at www.cdkl5.com)

Mr. & Mrs. Ashton, Westhoughton.

"When we decided to build a second floor onto our 10 year old bungalow, I ordered a sample of ThermaSkirt® after seeing it in Grand Designs magazine. When I saw it I knew it was exactly what I wanted. It's simple to install, it looks fabulous and it works great. What can I say, it's perfect. To me the best bit is what's missing - the radiators!"

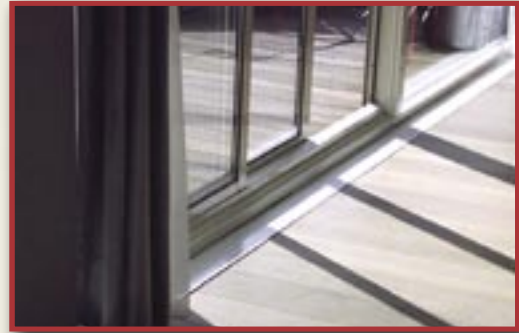
Simon Harris, Hibaldstow, N. Lincs.

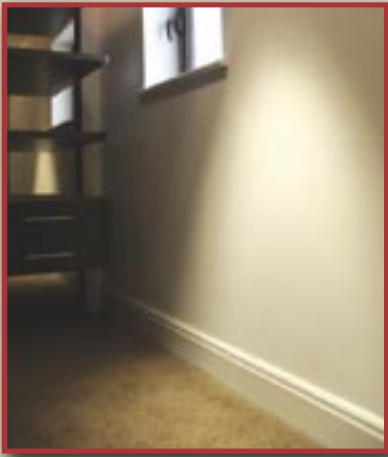
"After deciding I didn't want an ugly radiator in my kitchen, I considered radiant floor heating but it seemed an expensive way of heating the room. I had ThermaSkirt® fitted and I can't tell you how happy I am. It is absolutely fantastic. It's ever so efficient, and the heat it gives off is incredible. I'm very, very impressed with it and would recommend it to anyone."

Wendy Green, Bramhall, Cheshire

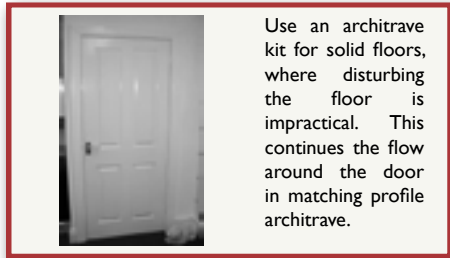
"I planned my installation using the software on the website which I found very easy to use. I installed Regency OG round the room and Deco PR across the threshold at the patio doors. It was easy to install, which I did myself using just a few basic tools."

Robert Hanlon, Lowton, Warrington.





How it works in your home - virtually every situation catered for!



Use an architrave kit for solid floors, where disturbing the floor is impractical. This continues the flow around the door in matching profile architrave.



ThermaSkirt® is an ideal heating solution for your loft conversion. Space is always at a premium so there's very little room for conventional radiators. ThermaSkirt® fits discretely around the perimeter of the room, leaving all the usable space to plan your room layout.



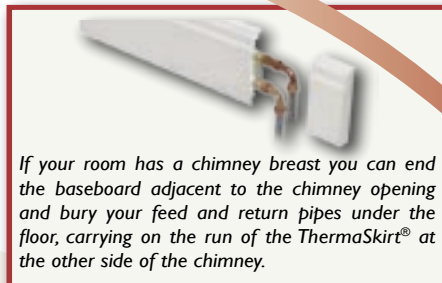
Flexible connector kits and specially made corner covers in 135° and other angles can accommodate bay windows or badly aligned walls.



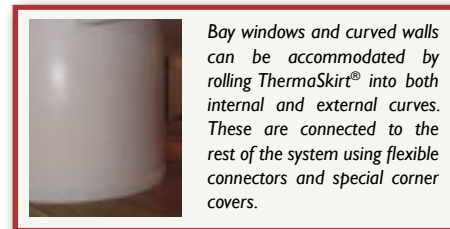
Wardrobe and kitchen baseboard means you don't have to sacrifice the warmth or design of your room. Using ThermaSkirt® plinth heaters means more kitchen/bedroom units and no unsightly radiators!



An MDF version is available to match the ThermaSkirt® in unheated areas around the rest of the house.



If your room has a chimney breast you can end the baseboard adjacent to the chimney opening and bury your feed and return pipes under the floor, carrying on the run of the ThermaSkirt® at the other side of the chimney.



Bay windows and curved walls can be accommodated by rolling ThermaSkirt® into both internal and external curves. These are connected to the rest of the system using flexible connectors and special corner covers.



Industry standard connecting feed and return pipes can come from up, down or through the wall and be hidden by the covers. Exposed pipes or obvious boxing in is avoided.



Particularly suitable with ground or air source heat pumps



Ideal for use with solar panels



ThermaSkirt® can also be controlled by wall mounted digital thermostats, instead of a TRV. These control the flow using an actuated valve or manifold.

ThermaSkirt® comes in lengths of up to 6 metres (19'8") which means most walls can be done using a single length. In-line joining kits enable virtually any length wall to be ThermaSkirted.

Fancy a towel radiator? No problem! ThermaSkirt® integrates simply with any new or existing heating system, so you can pick and choose what you want, where you want.

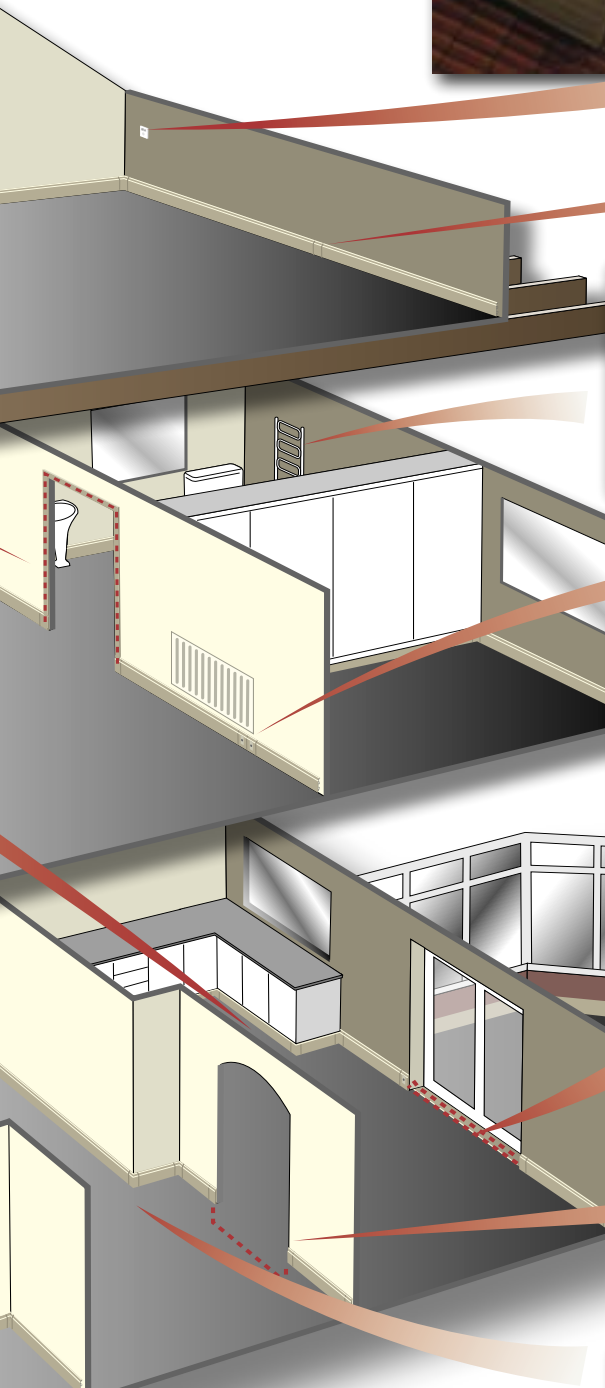
Existing radiators need replacing? Bi-directional TRV units allow flow and return in both directions around the room utilising existing pipework.

For additional heating, Deco PR profile can be laid flat at patio doors and across door thresholds.

Heating a conservatory? Forget about free standing heaters or obtrusive radiators. ThermaSkirt® is the ideal solution, leaving every wall free to arrange your furniture.

Standard corner kits in 90° external or internal, enable the whole room to be quickly installed with ThermaSkirt®.

At an archway (or doorway), run your feed and return pipes under the floor using a ThermaSkirt® threshold kit. If the remainder of the wall is only a short length, consider fitting a dry length of baseboard. This will finish the look of the room but will not detract from the overall ThermaSkirt® heating potential.



Kitchens and Bedrooms can still use ThermaSkirt®

Using ThermaSkirt® Plinth Heaters means you can now have units all round the room in the kitchen, bedroom or any room with fitted furniture.

The plinth heating panels are easily fixed into place onto the existing plinths if required. The Urban LT 150mm (6") and Deco PR 115mm (4 1/2") are most suitable for this application. Insulation may be fitted between brackets to maximise the heat into the kitchen or bedroom.

DiscreteHeat bring you the solution to heating your kitchen and bedroom without having to use unsightly radiators on the wall. Heating the kitchen with a radiator has always meant fewer kitchen units - until now!

Even large fitted wardrobes can accommodate ThermaSkirt®, meaning you don't have to sacrifice the warmth or design of your room.

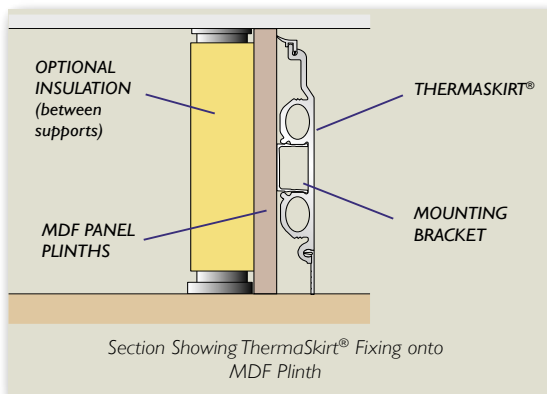


Photo courtesy of Mr. G. Reynolds

English Oak LT in loft conversion



Photo courtesy of Mr and Mrs Chan

Cricket White LT in apartment bedroom



Photo courtesy of Mr. Lee

Cricket White OG in renovated bedroom



Photo courtesy of Heat&Design (Holland)

Cricket White Deco PR in apartment kitchen



English Oak LT in bedroom units



Vintage Ivory LT in designer kitchen

URBAN LT

Typical Applications

Urban LT (Lambs Tongue) is the most versatile profile, finding applications in both new build and refurbishment applications. It has been used in Art Deco and Arts & Craft type houses as well as more contemporary apartments and loft conversions. Its clean lines make it also suitable for offices, restaurants, school and public buildings, and versions are available with anti-bacterial coatings to combat infection spread in hospitals and clinics.

Renewable Energy Sources

Urban LT has been used successfully with Ground and Air source heat pumps and solar thermal heating systems. Its smaller profile make it a perfect complimentary design to the larger OG profile for use upstairs in bedrooms etc. It may also be successfully used with renewable energy in main downstairs rooms, depending on the construction or final insulation values of the property.

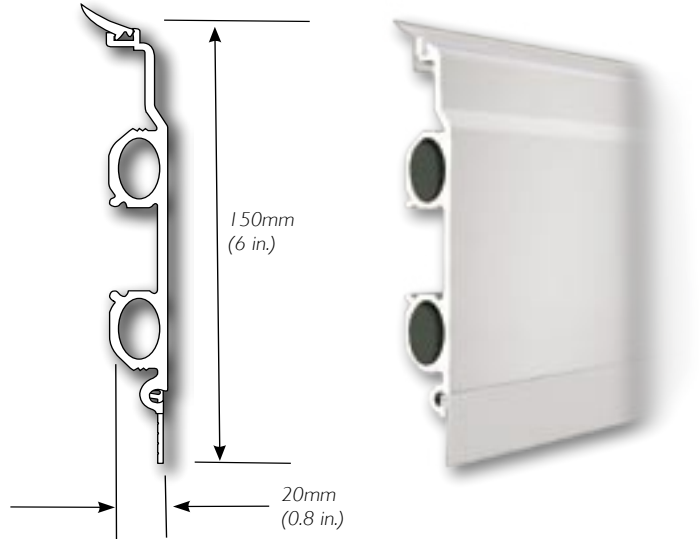


Conservatory using URBAN LT in golden oak (Note 135° internal corner)
Photo courtesy of Ms Vaughan



Grand Designs, Cheltenham House using URBAN LT in cricket white

URBAN LT



Super slim 20mm profiles up to 6 metres (19'8") long.
Matches typical baseboard dimensions.

Performance

Boiler Temp	Δt50 (72°C/160°F flow)	40°C/104°F	45°C/113°F	50°C/122°F	55°C/131°F	60°C/140°F	70°C/158°F	75°C/167°F
Watts/m	148.5	44	58	72	87	102	136	152
BTU/m	505	149	197	245	297	350	460	517
BTU/ft	153	45	60	75	90	106	140	158

Available Colours



To order a Sample:

Email: sample@discreteheat.co.uk with your choice of colour, address and contact telephone number. You may be charged a nominal amount to cover postage.



NEW FOR 2011!



Lounge using ThermaSkirt CLASSIC TS in cricket white

CLASSIC TS

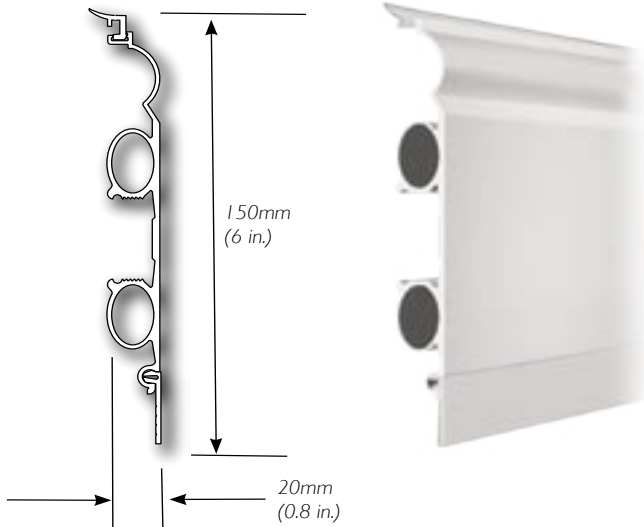
Typical Applications

Classic TS (Torus) has been developed to replicate the most popular profile in both new build and refurbishment projects. Based on the evergreen Torus of the Victorian and Edwardian era, it has been given a modern twist with an easy to clean upper portion, eliminating the dust and dirt traps of the original skirting. A full 6", the Classic TS is very similar to the Urban LT in terms of performance and features, except that it is also available in a paintable finish. For the 1st time it is now possible to purchase a ThermaSkirt® system that can be painted in ANY colour or finish you choose. The ThermaSkirt® alloy profile and connector covers are provided in a base finish that will accept primer and top coat from a number of reputable manufacturers paint ranges (ask for details).

Renewable Energy Sources

Like the Urban LT, the Classic TS is designed for use with renewable energy systems such as solar thermal and heat pumps, subject to insulation levels and available wall perimeter. It is particularly appropriate for bedrooms with the Regency OG in the larger main living spaces if required.

CLASSIC TS



Super slim 20mm profiles up to 6 metres (19'8") long. Matches typical baseboard dimensions.



Lounge using ThermaSkirt CLASSIC TS in cricket white

Performance

Boiler Temp	Dt50 (72°C/160°F flow)	40°C/104°F	45°C/113°F	50°C/122°F	55°C/131°F	60°C/140°F	70°C/158°F	75°C/167°F
Watts/m	150	44.5	58.5	73	88	103	137.5	153.5
BTU/m	510	150.5	199	247.5	300	353.5	464.5	522
BTU/ft	154.5	45.5	60.5	75.5	91	107	141.5	159.5

Available Colours



Cricket White (CW)

Paint your own (PO)

To order a Sample:

Email: sample@discreteheat.co.uk with your choice of colour, address and contact telephone number. You may be charged a nominal amount to cover postage.



REGENCY OG

Typical Applications

Regency OG (Ogee) profile has been specifically designed for retro fitting into larger and older properties due to its greater output and grander proportions. Being a full 200mm (8") deep, it has found applications in converted churches, Victorian Villas, Orangeries and conservatories and other habitable spaces that demand higher levels of heating. Its greater surface area also make it perfect for use with renewable energy sources, depending on the final insulation U values of the refurbished property.

Renewable Energy Sources

The Regency OG has been created especially to work perfectly with renewables such as ground & air source heat pumps, and solar panels. Its larger surface area means that adequate, evenly distributed heat is provided even at 40~45°C flow temperature, subject to insulation levels. As the ThermaSkirt® is fitted 'above ground', its ideal for retro fitting into existing properties, meaning that heat pumps and solar panels may be employed in buildings that otherwise would require major upheaval or structural alteration to provide radiant floor heating.



Sun room using ThermaSkirt REGENCY OG in cricket white

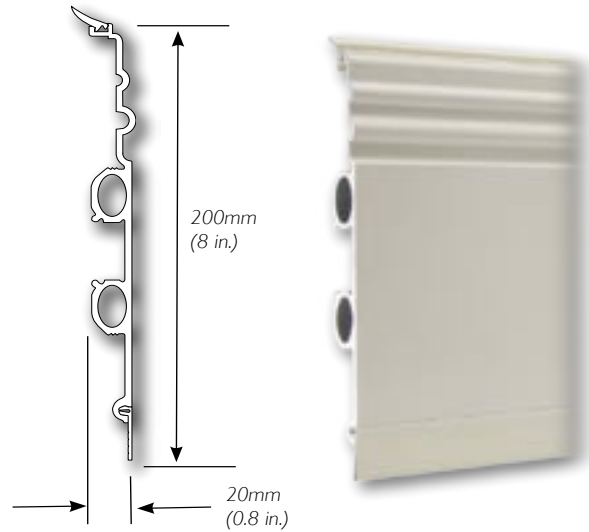
Photo courtesy of Mr. & Mrs. Hanlon



Apartment using ThermaSkirt REGENCY OG in cricket white

Photo courtesy of McCarthy & Stone

REGENCY OG



Super slim 20mm profiles up to 6 metres (19'8") long. Matches typical baseboard dimensions.

Performance

Boiler Temp	Δt50 (72°C/160°F flow)	40°C/104°F	45°C/113°F	50°C/122°F	55°C/131°F	60°C/140°F	70°C/158°F	75°C/167°F
Watts/m	202	61	81	100	122	143	189	212
BTU/m	690	208	275	342	416	488	643	724
BTU/ft	208	64	84	104	127	149	196	221

Available Colours



To order a Sample:

Email: sample@discreteheat.co.uk with your choice of colour, address and contact telephone number. You may be charged a nominal amount to cover postage.





Photo courtesy of Mr. & Mrs. Van Dijk, Holland

DECO PR used as baseboard and patio threshold heating

DECO PR

Typical Applications

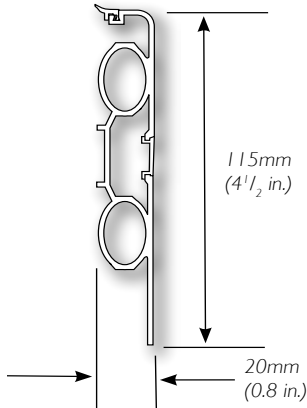
The Deco PR (pencil round) profile is the simplest profile with a unique and highly efficient fixing method. It has been specifically designed where cost and simplicity are paramount, and is mainly suited to new build applications. It is ideal for starter homes and apartments, as well as timber or SIPP constructed habitable spaces such as student accommodation, holiday lodges and mobile homes. It also is ideal for mounting flat on its back as a threshold or glazed wall perimeter heater, and may be let into the floor or tiled or carpeted flush, where limited wall space is available. Its clean lines make it also suitable for offices, and versions are available to combat infection spread in hospitals and clinics.

Please note; low voltage cables and wires can only be hidden in the removable centre section, and the bottom edge is not suitable for trimming to uneven floors.

Renewable Energy Sources

Due to its diminutive size and reduced surface Deco PR may not always be suitable for use in low temperature heating systems. It may be combined with the LT, OG & TS profiles to form a 'double decker' system. Please check with DiscreteHeat and/or your heating engineer before specifying.

DECO PR



Super slim 20mm profiles up to 6 metres (19'8") long.
Matches typical baseboard dimensions.



Refurbished NHS ward using Deco and Urban combined

Performance

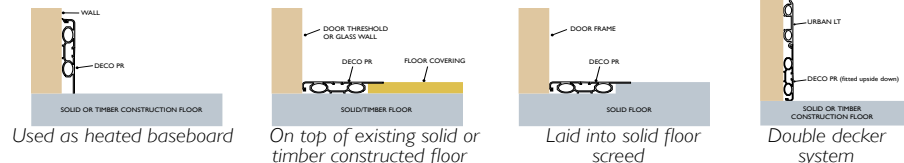
Boiler Temp	Dt50 (72°C/160°F flow)	40°C/104°F	45°C/113°F	50°C/122°F	55°C/131°F	60°C/140°F	70°C/158°F	75°C/167°F
Watts/m	130	30	52	64	78	91	122	135
BTU/m	443	133	177	218	266	310	416	460
BTU/ft	134	40	53	66	80	93	126	139

Available Colours



Cricket White (CW)
Vintage Ivory (VY)

Fitting Options



To order a Sample:

Email: sample@discreteheat.co.uk with your choice of colour, address and contact telephone number. You may be charged a nominal amount to cover postage.

Wireless and hard wired multi room digital control systems

TherMiser control systems are designed to provide precise remote control of ThermaSkirt® heating system, to closely maintain the desired room temperature and timings. Low surface temperature control for additional safety, or wireless multi-room zone control for ease of installation are also available. No other TRV or control valves are required, providing a completely discreet heating system.

Hard Wired

Type TM- ETS with TM RCV



TherMiser Single Room & Low Surface Temperature control system.

- Electronic Touch Screen with 7 day/ 4 period programming
- Room & ThermaSkirt® Surface temperature control for LST applications such as hospitals, care homes and schools.
- Standard 35mm Switch back box mounting.
- 230v AC control
- Eliminates TRV control knob on skirting

Wireless 2 Room/Zone Control System

Type TM WTS & TM RCI shown with TM RCV



- Wireless Touch Screen with 7 day/4period programming.
- 2 Zone wireless receiver can control 2 separate zones/room
- Eliminates TRV control knob on skirting
- Control valve secreted in cupboard or floor/wall/ceiling void
- Rechargeable battery (Touch Screen)
- 230v Hard wire supply to TM RCI and onto TM RCV control valve

Wireless Multi Room Manifold Control System

Type TM – WTS

TM 8ZW



- Wireless room control for up to 8 Zones/areas
- Direct connection from Control unit to Manifold actuators – no intermediate control unit required.
- Rechargeable, portable touch screen thermostats
- Programmable for time & temperature.
- Complete range of manifolds from 2 – 8 ways



ThermaSkirt in Hospitals, Schools, Care homes and other public spaces

Public sector service providers and other workplace operators owe a duty of care to their clients as well as a requirement to operate energy efficiently.

Hospitals

ThermaSkirt® has been proven to reduce the risk of infection due to its wipe-clean surfaces, and absence of slots or grilles for communicable diseases to develop and spread.

The NHS has started retrofitting ThermaSkirt® into hospital areas as replacements for convector radiators in their battle to combat the spread of C.Difficile and MRSA.

More than 30 hospital areas have been successfully fitted with ThermaSkirt®. "Double Decker" systems have been developed for larger wards and spaces, whilst the standard 6" profile has proven suitable for other environments around the hospital.

Schools & Colleges

Schools and colleges also need to reduce the risk of accidents and the clean lines and absence of sharp edges, exposed pipework and bulky valves creates a safer working environment for active students to study.

The rapid response times of ThermaSkirt® ensure that comfortable, concentration-friendly temperatures can be closely controlled, despite the obvious huge potential variances in class occupancy, and the changing climate outside. Radiant floor heating simply cannot react fast enough to compensate for our fickle weather and class sizes that could vary between 5 and 35 students in a single morning. More than 20 schools and college areas have been retrofitted with ThermaSkirt®.

Care & Nursing Homes

Care homes need to maximise usable space, as well as provide a safe environment. ThermaSkirt® takes up no wall space and can be installed with surface temperature limiting controls to meet the requirements of LST radiators. Their wipe clean surfaces, and safe edges also help to maximise the clients well being, as well as being practical and energy efficient to maintain and operate.

Offices, Restaurants & Shops

ThermaSkirt® has been successfully fitted into 100's of workplace & public accessible spaces, for all of the reasons outlined above.

Why not consider ThermaSkirt® for your next heating system?

and finally ...

Can I design my own system?

Yes - and it couldn't be simpler!

Log on to our website - www.discreteheat.co.uk and go to the 'Design your system' page.

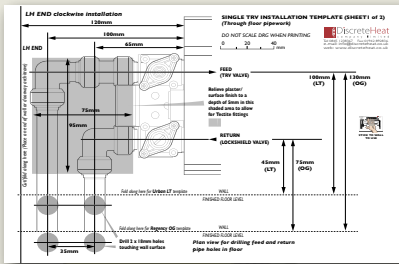
There you'll see a screen like the one below. Just follow the simple steps and you can create your own ThermaSkirt® heating system - in minutes! It will even work out your heat loss calculation!



You can even order and pay for it on-line. Alternatively, go straight to www.thermaskirt.com and download the free software.

Installation made simple!

ThermaSkirt® is easy to connect to your existing boiler and pipework, and can often replace existing radiators. You can download installation templates that give you all the dimensions, 'size for size' drilling guides and pipework positions to give you a trouble free installation.



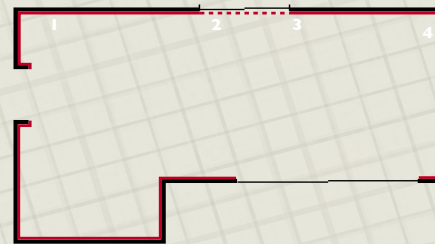
Go to www.discreteheat.co.uk/technical.html

Featured on: **GRAND** and **DESIGNS** and **Property Ladder**

How is it supplied?

ThermaSkirt® can be supplied in pre-cut ready-to-install room kits, complete with your numbered room plan. You or your installer can follow the step-by-step instructions and in a short time your room is skirted and heated.

Plan Reference	Code	Description	Quantity	Unit	Unit Price £	Total £
1	DH030CW	Internal 90 degree corner cover	1	EA	4.95	4.95
	DHICK90	Internal corner kit 90 no cover	1	EA	5.90	5.90
	DHLTMCW	Skirting made-to-measure (measured wall section 3401mm)	3271	MM	27.95	91.42
2	DHTHK2M	Threshold kit 2m no covers	1	EA	24.95	24.95
3	DHLTMCW	Skirting made-to-measure (measured wall section 2292mm)	2169	MM	27.95	60.62
4	DH030CW	Internal corner cover	1	EA	4.95	4.95



Alternatively you can buy full 2M, 3M and 6M lengths and cut on site.

Full instructions from:

www.discreteheat.co.uk/downloads/technical/instructions.pdf

Approvals and Certification



ThermaSkirt® has undergone exhaustive trialling and extensive testing at the BSRIA.



ThermaSkirt® fully complies with BS-EN 442, 89/106 and carries the CE mark.

ThermaSkirt® profile and pushfits are warranted for up to 10 years - typically double that of a steel radiator. Ask for full details.



ThermaSkirt® systems have been successfully installed in the NHS.

MANUFACTURED BY



1 Victoria Works Industrial Estate, Coal Pit Lane, Atherton, Manchester M46 0FY
Tel: 0845 1238367 (local call rate) • Int. +44 (0)1942 880060 • Fax: 01942 665104
E-mail: info@discreteheat.co.uk • Web: www.discreteheat.co.uk

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