

Developed in co-operation with

NHS



EasyClean™

Radiant heating skirting system

Hygienic heat, controllable comfort, safe & secure



10 YEAR WARRANTY



Feel

the difference...

Advantages of the EasyClean LST system



True radiant heat

minimal drafts and air movement to spread infection



Fast and responsive

no under heating or over heating



Sealed to walls and floors

no ingress points for bacteria or HAI's to hide & incubate



Low operating temperatures

inherently safe to the touch and excellent energy efficiency



Simple mop down when cleaning

no deep cleans or special equipment



Free up wall space

creates a more spacious environment for the client and provider



Naturally anti-ligature

no exposed pipes, valves or fixings



Choice of controls

from a simple mechanical TRV to full BMS control - and anything in between



Simple retro fit

can even use existing radiator pipework

The future of healthcare heating

EasyClean LST developed in co-operation with the **NHS**

The new EasyClean LST has been developed in co-operation with the Estates and Infection control departments of the NHS, and several major assisted living and care home providers to create a simple, safe, energy efficient and above all hygienic heating solution for the HealthCare market.

Unlike LST (low surface temperature) radiators, the EasyClean has no slots or grilles for harmful bacteria such as C. Difficile and MRSA to enter and incubate, and is simply wiped free of infection when mopping the floors. No cases or covers to remove, no special tools and keys, no deep clean teams.

Unlike UFH (under floor heating) the EasyClean is fast and responsive to changes in heating demand, ensuring maximum patient comfort and minimal running costs. Being 'above ground' the EasyClean is a simple retro-fit to existing systems, and will not lift floorings or develop an undetectable leak. In addition it will not cause the 'tired leg' syndrome experienced by hard working staff standing on heated floors all day.

Unlike overhead radiant panels, the EasyClean LST system is not limited to rooms with ceiling height above 2.7 meters (CIBSE guidelines June 09), and by heating from the ground up, rather than the ceiling down it can operate at lower flow temperatures. This not only provides a more comfortable environment for the occupant, it also improves energy efficiency and completely eliminates the risk of scalding in the highly unlikely event of a leak.



“ Congratulations to the entire team! I know how hard you worked on developing your product to reach the high standard expected. You are a good example of how commitment and hard work pay off. ”

Dr Barzo Faris

Consultant Microbiologist MD, MSc, FRCPath
Central Manchester University Hospitals NHS Foundation Trust

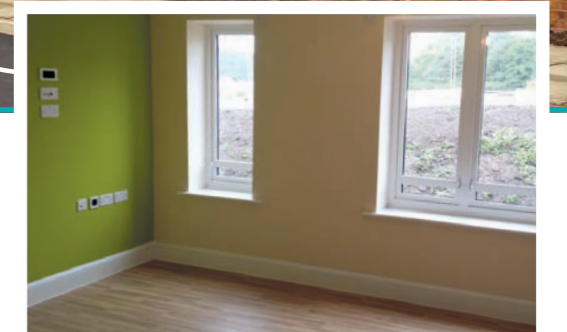
Barzo Faris



Hygienic Heat
Controllable Comfort
Safe & Secure



HB Villages, Assisted Living Apartments.



Mental health & assisted living

With more and more elderly and learning disabled persons requiring extra care, either in their own home or in dedicated centres of excellence, the EasyClean heating system is the ideal product to provide service users with a clean, comfortable and safe environment.

Available in a wide range of familiar profiles and colours the system can provide clients with a low maintenance, hygienic and energy efficient radiant heating solution that takes up no wall space and provides no risk of tripping or impact hazard.

Being 'above ground' the system is fast and responsive without overheating that can lead to distress and challenging behaviour.

The EasyClean system has recently been installed in the Iris Murdoch Dementia Services Development Centre in Sterling, and specified by The Design In Mental Health Network on the Better Bedrooms 1&2 projects.

With a completely sealed floor and wall mounting, the EasyClean provides no ingress pathways for fluids and solids, and thus will not harbour bacteria that can create infection or odours. In addition, for medium or high secure units, the system is naturally anti-ligature and is available with a profile designed for a top edge seal of anti-pick mastic for complete safety and peace of mind.



EasyClean has been selected for the NHS 'Procure 21+' program



EasyClean has been selected by the 'Design in Mental Health Network' Better Bedroom Design Team



EasyClean has been installed in the Iris Murdoch Dementia Services Development Centre



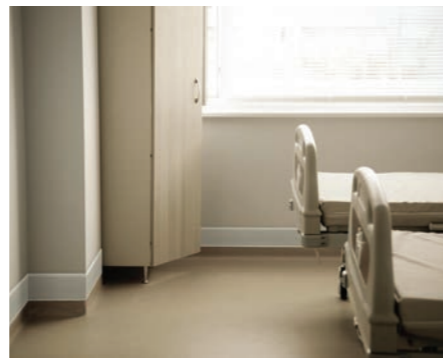
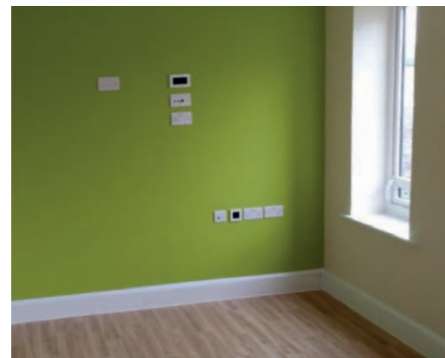
Our recent projects

Ideal for hospitals, care homes, mental health providers, assisted living, student accommodation, schools, nurseries and secure residential accommodation

The EasyClean LST system can not only provide a comfortable, controllable and safe environment for healthcare applications, it has also been successfully installed in other demanding applications such as secondary schools (with and without ESN) student accommodation, offices and shops, restaurants and even custodial facilities.



- RECENT PROJECTS
- 01 [Iris Murdoch Dementia Services Development Centre, Stirling](#)
 - 02 [Better Bedroom, Design in Mental Health Network](#)
 - 03 [Noble Care, Autism Respite Centre](#)
 - 04 [NHS Queensway Health Centre, Hertfordshire](#)
 - 05 [HB Villages Assisted Living, Blackburn](#)



EasyClean™ LST

- Surface design temperature <43°C
- Ideal for new build bedrooms and apartments
- Works with any floor construction or finish

1

COLOURS AVAILABLE

- CRICKET WHITE
- VINTAGE IVORY

EasyClean™ LST3

- Surface design temperature <43°C
- Ideal for renovation or larger assisted living units
- Works with any floor construction or finish

2

COLOURS AVAILABLE

- CRICKET WHITE
- VINTAGE IVORY

EasyClean™ LST4

- Surface design temperature <43°C
- Ideal for larger open spaces or older buildings
- Works with any floor construction or finish

3

COLOURS AVAILABLE

- CRICKET WHITE
- VINTAGE IVORY

EasyClean™

Designed and developed in Co-operation with the NHS

Simple to install, simple to clean, no maintenance and maximum occupant comfort. EasyClean – The Future of HealthCare Heating

KEY POINTS

Flooring

Flooring – EasyClean works with any floor construction or finish – laminate, wood, vinyl & even carpet with no impact on performance or response times

Plumbing

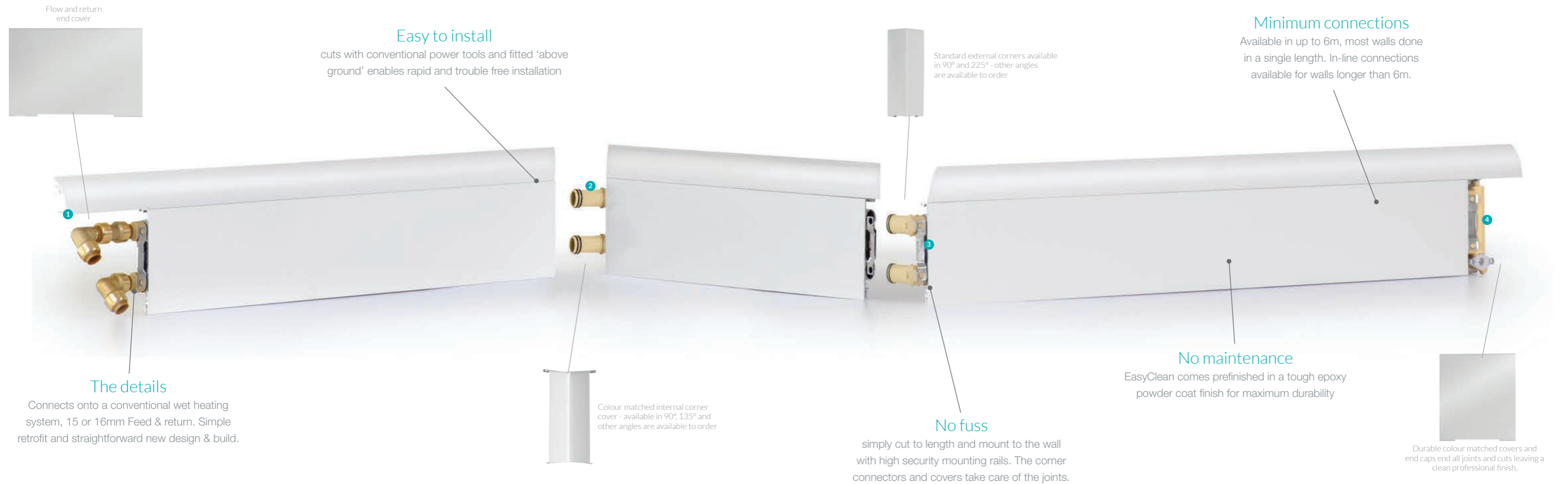
Connects onto a conventional wet heating system using industry standard components.

Controls

a wide range of controls from simple mechanical TRV to manifold control and even BMS are possible with EasyClean

EasyClean provides the radiant heating and skirting trim in one convenient, responsive and cost effective package.

Fully fitted profile



Easy to install
cuts with conventional power tools and fitted 'above ground' enables rapid and trouble free installation

Standard external corners available in 90° and 225° - other angles are available to order

Minimum connections
Available in up to 6m, most walls done in a single length. In-line connections available for walls longer than 6m.

No maintenance
EasyClean comes prefinished in a tough epoxy powder coat finish for maximum durability

No fuss
simply cut to length and mount to the wall with high security mounting rails. The corner connectors and covers take care of the joints.

Durable colour matched covers and end caps end all joints and cuts leaving a clean professional finish.



The details
Connects onto a conventional wet heating system, 15 or 16mm Feed & return. Simple retrofit and straightforward new design & build.



THE DETAIL

- 1: Industry standard connections (15 or 16mm) enable installation onto a conventional wet heating and control system.
- 2: Push fit connectors with double Viton O rings create a perfect seal with no soldering, glues or sealants
- 3: Push fit retaining clips retain the connectors, withstanding over pressures of up to 15bar
- 4: Return manifold returns the flow back to the beginning providing even heat all along the length as well as draining and bleeding options.



TEN YEAR WARRANTY

All 'wet parts' including skirting panels and connectors have been tested to simulate a lifespan of over 40 years.

We are therefore happy to provide a 10 year warranty on these parts. See our terms and conditions for further details.



Technical specifications

HIGHLY EFFICIENT ALUMINIUM & POLYMER COMPOSITE ALLOY PROVIDES EXCEPTIONAL RADIANT HEATING EVEN AT LOW SURFACE

THE SIMPLE, SAFE AND ENERGY EFFICIENT SOLUTION.

Operating at lower flow temperatures not only protects people, it also improves energy efficiency – as much as 25%. Being a highly effective and responsive emitter, it avoids the over-heating and under heating associated with UFH, whilst eliminating any risk of feet, ankle and lower leg discomfort in staff standing on hot floors all day.

40 YEAR LIFESPAN

Based on accelerated life tests comprising 6 heating and cooling cycles per day, 365 days a year.

LOWER OPERATING TEMPERATURES AND GREATER EFFICIENCY

Lower operating temperatures allow heat pumps to achieve greater Coefficient of Performance (CoP). Higher operating temperatures reduce the heat pumps CoP and thus efficiency and may require an electric immersion heater backup.

Model	Dimensions (Typical)	Output W/m 43°C surface temp ¹	Output W/m dT 50°C ²	Panel length in meter	Max run per single feed ³	Max operating pressure ⁴
EasyClean	155 x 20mm	60 W/m	140 W/m	1 - 6 mtr or made to measure	30 mtr	5 bar
Deco BM	155 x 20mm	60 W/m	140 W/m	1 - 6 mtr or made to measure	30 mtr	5 bar
EasyClean 3	210 x 20mm	90 W/m	200 W/m	1 - 6 mtr or made to measure	20 mtr	5 bar
Deco 3	170 x 20mm	90 W/m	200 W/m	1 - 6 mtr or made to measure	20 mtr	5 bar
EasyClean 4	275 x 20mm	120 W/m	250 W/m	1 - 6 mtr or made to measure	15 mtr 30 mtr with 2 x feed	5 bar
Double Deco	235 x 20mm	120 W/m	250 W/m	1 - 6 mtr or made to measure	15 mtr 30 mtr with 2 x feed	5 bar

- 1 Based on a flow of <50°C
- 2 Based on a flow rate of at least 56 g/sec
- 3 Assumes typical number of joints and corners being 6 or less
- 4 Parts tested to 20 bar

“hygienic, practical and energy and space efficient – with complete comfort and controllability”



The world's smartest heating system

Radiant skirting heating is also available in other typical domestic skirting profiles, for more residential applications such as retirement and residential care homes.

Please see our ThermaSkirt brochure for more information or visit www.discreteheat.com





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