



THE PROBLEM

The most common method of heating buildings to ensure residents or service users are comfortable is by using hot water passing through pipework into radiators which radiate and convect heat into a room.

Radiators at temperatures of 60 degrees Celsius can cause 3rd Degree burn full thickness injuries with skin contact in 5 seconds. People most at risk are the very young, ill, and elderly who are at risk of falling against high temperature radiators or pipework.

In severe cases people have become trapped against radiators or hot pipework, without the strength to pull themselves away. Countless deaths in care homes, residential, and public buildings have been attributed to uncovered radiators and pipework.

The potential injuries that can be sustained from uncovered radiators or pipework cannot be ignored.

THE SOLUTION

The Clarke Delta LST Radiator Guard which covers radiators, valves, and pipework whilst also allowing full access. Each guard is made to measure allowing for a variance in length, height, and depth of the radiator.

In environments where the spread of infection is significant, the full access door allows domestic staff to gain access for cleaning by simply turning the quarter turn locks and opening the door.

The cleverly designed chamfered sides and top reduce injuries caused from falls. The chamfered design also allows for impact to be deflected away from the guard.

Our standard specification being anti-bacterial powder coated 1.5mm thick zintec in RAL 9003.

Site consultations can also be completed to ensure customers receive the best possible solution for their requirements.

MATERIAL

Electro Zinc Coated mild steel grade DC01 + ZE 25/25 to standard EN10152 : 2015.

Electro-Zinc Coated Steel sheet or Zintec is a cold rolled material that has been electrolytically coated with a thin layer of zinc.

Standard Thickness: 1.5mm.
2mm and 3mm options are available for more challenging environments.

CONSTRUCTION

The Clarke Delta LST Radiator Guard consist of two major components:

- 1) Frame - sides and a plinth
- 2) Removable front access door.

Quarter turn locks are used to the ensure full locking

MANUFACTURE

All of our components are inspected to strict quality control measures. Components are manufactured by our network of ISO 9001 certified manufacturers.

CUT OUTS

To prevent the need for site cutting, and make the installation process more efficient we program cut outs during our manufacturing process.

CNC punch presses are used to create the cut outs, ensuring a factory finished edge.

FINISH

We offer polyester powder coating (PPC), as our preferred finishing method due to the quality of finish, full range of RAL colours and finishes available, scratch resistance, and a key factor being the environmental advantages.

Anti-bacterial powder coated.

COLOUR

BS4800 00E55 Semi Gloss (Antibacterial).

SHAPE

All corners are chamfered reducing the risk of injury when falling against the guard..

The front full access door runs flush with the bottom plinth.

SIZES

Products are offered in a range of sizes manufactured to suit the required application.

1) The length of the guard generally covers the full length of the radiator plus the valves either side, with an addition of 60mm.

2) The height is measured from the floor to the top of the radiator with 50mm added to the total height on a flat top guard.

On a sloping top guard the start of the slope starts 30mm above the top of the radiator, and height to the back of the slope depends on depth. Sloping tops are a standard 20 degrees.

3) The depth of guard is measured from the wall to the front face of the emitter, and 45mm is added.

OPTIONS

- 1) Brushed stainless steel plinth.
- 2) Sloping top variant.
- 3) Anti-ligature grills can be added to prevent standard openings being used as a ligature point.
- 4) Variety of cam-locks.

CONSIDERATION

Grill positions can be adapted to suit the type and position of the radiator. The guard is fully adaptable to suit our clients requirements.

ENVIRONMENTAL

The Clarke Delta radiator guard is recyclable, iron and steel are the world's most recycled materials.

SERVICES

Site consultations can also be completed to ensure customers receive the best possible solution for their requirements.