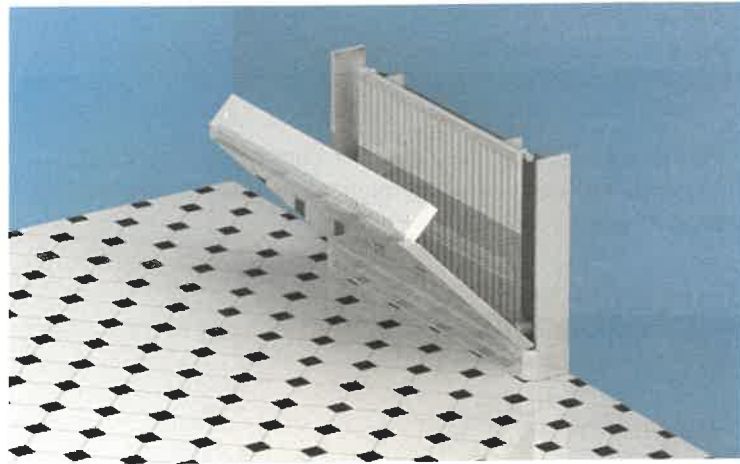
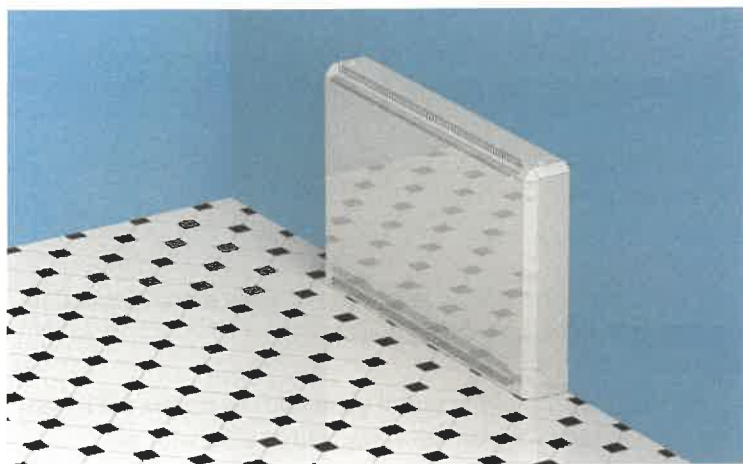




THE PROBLEM

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 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.

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.

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).

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.



THE PROBLEM

Watching television is a national habit, and also a perfect activity for entertaining individuals or for a group of people. Recent surveys show that a quarter of the population in the United Kingdom list watching TV as their favourite pastime, which shows the importance in providing televisions in facilities.

In challenging environments, some of the most relax periods are when favourite programs are being shown on television, this shows how critical TV equipment is. Although the casing of many televisions provides some degree of protection, connection ports, and the front display screen are far more susceptible to damage.

In high traffic areas televisions can be subjected to accidental damage, simply spilling a cup of tea over a television can prove fatal. An operational television is seen as an expected facility in many environments.

THE SOLUTION

The Clarke Delta TV Protection Cabinet provides an excellent method of protecting TV's, by fully encapsulating the TV within a stylish cabinet. The robust cabinet is manufactured from quality robust materials, and coated with an antibacterial polyester powder coating. The front panel in the cabinet is polycarbonate which is fifteen times stronger than glass, giving the confidents that the television will be safe in the most challenging environments.

A complete access door is also provided giving quick access to the TV. In order to allow sufficient cooling and air circulation for the TV, grilles are included in the stylish design. A robust TV bracket is also included, enabling easy installation of the TV Protection Cabinet. All Clarke Delta TV Protection Cabinets are manufactured to suit, meaning that you have the freedom to select a TV Protection Cabinet to suit your TV.

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

The clear front viewing panel is 6mm thick polycarbonate sheet.

CONSTRUCTION

The Clarke Delta TV Protection Cabinet consists of three main components:

- 1) The Main Frame
- 2) Front viewing panel frame.
- 3) Polycarbonate viewing panel

Key locks are added to the cabinet to ensure security.

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.

These cut outs can be used for the fixing process, and to overcome site obstacles.

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 coating

SHAPE

Our standard design consists of a sloping top and bottom detail, preventing a potential ligature point, and also stopping the top being used as a shelf.

The sides of the TV Protection Cabinet are square with radius corners, in order to prevent occupants injuring themselves on the cabinet.

SIZES

The standard requirement is to measure the size of your TV without the table mounted stand, this will be the size of the clear viewing panel at the front of the cabinet.

The TV protection cabinet is designed to be as slim as possible, although a minimum 30mm clearance is required from the front face of the TV to the inside of the polycarbonate viewing panel.

The 30mm gap is to ensure suitable air circulation for the TV screen.

COLOUR

BS4800 00E55 Semi Gloss (Antibacterial).

OPTIONS

We can supply a selection of materials, colours, and finishes to give our customers the best possible solution.

CONSIDERATION

Grille configurations can be altered to ensure compliance with our customers specification.

ENVIRONMENTAL

The TV protection cabinet 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.



THE KEY PRODUCT BENEFITS

1. Designed to protect smoke detectors from damage.
2. Reduces the risk of smoke detectors being used as a ligature point.
3. Solid metal structure gives greater impact resistance.
4. Holes for sensing on all five sides helps ensure correct operation of smoke detector.
5. Detachable front face allows access for maintenance.
6. Sloping slides cause ligature material to simply slide off.
7. Powder coated finish gives an appealing look.

REV 2 IMPROVEMENTS

1. Increased fixing points gives **greater security**.
2. 8-off security fixings **reduce the risk of separating** the frame and the front face.

THE PROBLEM

Smoke detectors are typically targeted in mental health units due to the disruption caused when a false alarm occurs. Smoke detectors that are vandalised not only disturb mental health wards, support functions such as estates departments are also involved to repair the damaged smoke detectors. If smoke detectors are not working due to vandalism the risk to occupants can be catastrophic, smoke detectors are vital in raising awareness when fires start.

Once it is known that a typical ward item such as smoke detector can easily be vandalised, the damage is often repeated. Estates and maintenance staff can find themselves continually replacing products not suitable for the mental health environment, due to more suitable products not being available on the market place.

Smoke detectors come in two main types: Optical are most suitable for sensing smouldering items, Ion are most suitable for sensing flames.

THE SOLUTION

Clarke Delta® Anti-ligature Smoke Detector Protectors not only protect smoke detectors, but also reduce the risk of service users causing harm to themselves. Punched holes on five sides of the anti-ligature smoke detector protector enable the smoke detectors to function effectively. Smoke detector testers can, and should always be used once an anti-ligature smoke detector has been installed.

Clarke Delta® Anti-ligature Smoke Detector Protectors have been developed with support of mental health professionals that are not content with installing products that are likely to fail, and who demand products that are created to overcome challenges within the mental health sector. The Clarke Delta® Anti-ligature Smoke Detector Protector addresses both the risk to service users, and to equipment whilst also looking elegant in appearance.

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 for the frame.

Standard Thickness: 1.5mm.

CONSTRUCTION

Clarke Delta® Clarke Delta® Anti-ligature Smoke Detector Protectors consist of the following components:

1. Fixing frame with M6 Nutserts to secure to the ceiling.
2. Main body to cover the smoke detector.
3. 8-off M6 Button Head Pin Hex fixing to secure the main body to the fixing frame.

MANUFACTURE

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

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

Sloping top and bottom or four sided sloping designs are available.

SIZES

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

In order to correctly size anti-ligature smoke detector protectors the following measurements are required:

1. **Width** - Measure the width of the existing smoke detector.
2. **Depth** - Measure the depth of the smoke detector.
3. **Height** - Measure from the ceiling to the front face of the smoke detector.

CONSIDERATION

Clarke Delta® Anti-ligature Smoke Detector Protectors are produced to order, meaning that an exact size can be manufactured for your project. If special detailing is required please contact our office to discuss.

* Smoke detectors should always be tested for full operation once Clarke Delta® Anti-ligature Smoke Detector Protectors are installed.

ENVIRONMENTAL

Clarke Delta® Anti-ligature Smoke Detector Protectors are recyclable, iron and steel are the world's most recycled materials.

SERVICES

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