



THE KEY PRODUCT BENEFITS

1. Removes access to ligature points from radiators, pipework and valves.
2. Reduces the risk of burns against hot radiator surfaces.
3. Minimises the impact of falls against sharp radiator corner.
4. An abundance of fixing points ensures a secure installation.
5. A full framework where anti-pick mastic can be applied – reduces ligature points.
6. Solid construction ensuring a prolonged service life.
7. Attractive looks rejuvenate existing radiators.
8. Allows quick access for cleaning and maintenance to be conducted.



THE PROBLEM

As with all of our site consultations we are always looking for the feedback from sector professionals, the people that spend the most time in an environment are more than aware of the challenges faced designing anti-ligature products. Products are often the same as medicines in the mental health environment, when one problem is addressed another side effect occurs.

When we hear the same comments echoed throughout the mental health industry, we know another designed solution is required. Our specialism in the custom manufacture of goods means that we excel in the development of new innovative solutions.

Mental health experts advised that when the walls of their building do not run true, a gap is left between anti-ligature radiator guards and the walls behind. Anti-pick mastic is often used to fill any gaps, having a fixed guard was not an option as maintenance and cleaning operations require a full access anti-ligature radiator guard.

THE SOLUTION

Clarke Delta® Ltd using their knowledge of lean manufacturing, rapid prototyping techniques and by listening to our customers have pushed the boundaries of providing a full access anti-ligature radiator guard whilst also overcoming any concerns about gaps between the guard and the surrounding walls.

A stylish anti-ligature radiator guard with a full frame has been engineered, whilst also still providing the quick access technology. Through a methodical design process a new back rail has been added to the door frame, giving additional fixing points and improved access door support.

Clarke Delta® Ltd not willing to compromise on providing all the same feature benefits as their anti-ligature radiator guard, have kept all of the original anti-ligature guard benefits and have included extras to ensure continued customer satisfaction.

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, top cross-member and plinth.
- 2) Removable front access door.

Quarter turn security 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 or flat top variant.
- 3) A range of 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.