



THE PROBLEM

The most common method of heating Mental Health facilities to ensure 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. Service users are at risk of self harming from hot surface temperatures, sharp edges and ligature points on radiators or pipework.

Suicide rates have shown an increase in recent years, with hanging being the most common method used. Creating an environment where service users are safe from themselves is of paramount importance. Staff must be secure in the knowledge that service users are in a safe environment. Products designed to help eliminate ligature points are a must in Mental Health facilities.

THE SOLUTION

Clarke Delta are proud to introduce a revolutionary Anti-ligature Radiator Guard specifically designed for mental health environments. The challenge of protecting vulnerable service users against hot radiator surfaces and ligature points has been confronted with a modernistic look that blends gently into the environment.

Cleaning can easily be undertaken by domestic staff, through a full access door which is secured against access from service users. The wellbeing of service users has also been considered with an anti-bacterial coating that reduces bacteria on radiators by up to 90%. The fully formed anti-ligature grill design follows the complete profile of the guard, removing a potential hotspot. The sloping top design complies with best practice guidelines, preventing the top becoming a ledge to stand-on. Our free consultations, and adaptable approach to our offer ensures our customers 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 and a 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.