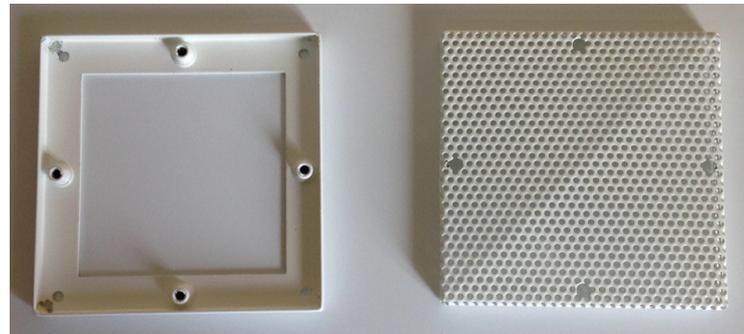


THE KEY PRODUCT BENEFITS

1. Designed specifically for mental health environments.
2. Reduces the ligature risk from open grille types on standard ventilation grilles.
3. Stylish design looks pleasant in mental health facilities.
4. Anti-bacterial powder coating helps prevent the spread of harmful bacteria.
5. Quick access for cleaning or maintenance without damaging paintwork or anti-pick mastic seal.
6. Tough structure using quality material, helps withstand impact.
7. Hidden wall fixings, with security fixings to remove the front grille.



THE PROBLEM

Standard plastic or even metal ventilation grilles are not suitable for mental health environments. The structural design, and the grille openings can create difficult situations for staff and service users. Plastic grilles can be broken into sharp instruments creating a risk to service users and mental health staff.

The ceiling or wall position of ventilation grilles means that their openings can be used to create a ligature point, this is especially dangerous in areas where suicide attempts are less likely to be seen. Many designs of ventilation grilles are not manufactured to withstand the challenges within mental health units.

Standard ventilation grilles that are robust, can also look unsightly and can be difficult to clean.

THE SOLUTION

Clarke Delta® anti-ligature ventilation grilles are manufactured and designed specifically for the mental health sector. Perforated holes allow for air to be passed through the grille area, whilst also restricting thread or foreign objects being passed through to be used as a ligature point.

Clarke Delta® anti-ligature ventilation grilles are built using quality materials proven for use within mental health facilities. Hygiene and maintenance have also been considered, with the anti-ligature ventilation grilles allowing quick access for cleaning the grille area from contamination. Anti-bacterial powder coating also adds to the hygienic solution.

The detectable grille section is held in place with security screws, which can be quickly removed using the appropriate security tool. Anti-pick mastic can be applied to the main frame, and is completely undisturbed when the grille face is removed for maintenance or cleaning.

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.

Mild Steel Perforated sheet used for the front grille area.

Standard Thickness: 1.5mm frame and front grille.

CONSTRUCTION

The Clarke Delta® Anti-ligature Ventilation Grilles consist of two major components:

- 1) Frame - for fixing to the ceiling or wall.
- 2) Removable front grille section.

M6 Button head Pin-Hex screws are used to secure the grille face to the 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

Rectangular grille shapes are provided.

SIZES

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

1) The fixing frame must be a minimum 40mm larger in the length and width so that the fixing holes in the frame can be used.

2) The heights of frame is a minimum 10mm.

3) The grille face can be provided with either 2mm or 3mm holes.

CONSIDERATION

All Clarke Delta® Anti-ligature Ventilation Grilles 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.

ENVIRONMENTAL

The Clarke Delta radiator guard is 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.