Gyptone Trap™ system
Installation manual

Design and technique

Product description
Gyptone Trap is a self-supporting suspended ceiling solution, primarily used in corridors, where frequent access above the ceiling is required. The Trap system is primarily used in hospitals but is also suitable for other segments like office buildings, technicians rooms etc. The Trap element has modular size 600 x 1200 mm and thickness 12.5 mm. The gypsum board is mounted in a steel frame. Trap elements are fully recyclable.

Construction height
The Trap system can be installed on different kinds of fittings. The recommended min suspension height is 100 mm.

Surfaces
The Trap elements are delivered prepainted and no painting is required after installation. The color code used is NCS0500 with a gloss value of 5-9 according to the ISO 2813 standard. The Trap elements can be repainted if required. Always use a shorthaired roller when painting Gyptone ceiling products. The elements must not be spraypainted, as this impairs the sound absorption. The steel frame can be removed, if repainting is required. The frame has color code RAL9010.

Grid system
Gyptone Trap is installed on special fittings, used only for the Trap system. The installation must be done according to this manual and the projects description and drawing material.

Fire
A2-s1, d0

Load
Max load per Trap element is 1 kg. If more load is needed, the elements will require its own hangers, which again will limit the functionality of the element.

Dimensional stability
Gyptone Trap should be installed and used in rooms with a relative humidity not exceeding 70% or temperature of 45 °.

Weight
Gyptone Trap Base element = 8 kg.
Gyptone Trap perforated element = 7 kg.

Cleaning
Gyptone Trap can be cleaned with a damp cloth with a mild cleaning agent. The frame can easily be cleaned, so always use the painted steel frame when handling the elements.

Replacement of Trap elements
If damage should occur, we recommend replacing the element.

Dimensions
Gyptone Trap has modular size 600 x 1200 mm. The actual size is 580 x 1160 mm.
This manual describes 3 installation methods for Gyptone Trap.
We recommend reading this manual thoroughly prior to installation.

Solution A – page 3
Wall profile

Solution B – page 4
Centre profile

Solution C – page 5
Frieze profile

The Trap elements are supplied with master hangers. The elements have pre-drilled holes for fastening the master hangers before installation.

Trap Line 4 (6x95 mm perforation)

Trap Point 11 (6.5 mm perforation)

Trap Quattro 20 (9x9 mm perforation)

Trap Quattro 50 (12x12 mm perforation)


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Solution A
Installation of Trap Wall profile

Wall profiles should only be used on completely straight walls. The Wall profile is attached directly to the wall.

Attach the profile to the wall with suitable fastening components. The distance between the screws is 600 mm. Do not use Wall profiles shorter than 300 mm.

The marking for the Wall profile should be placed 55 mm above the level of the finished ceiling. The lower edge of the profile is placed along the marking on the wall.

The Wall profile is now attached to the wall and the installation of the Trap elements can be done as shown in the illustrations.

1 Gyptone Trap Wall profile
2 Gyptone Trap element.
**Solution B**

**Installation of Trap Centre profile**

The Trap Centre profile should be used when 2 or more Trap elements are installed end to end. Transverse support is needed when 3 or more Trap elements are installed end to end. For more information, turn to page 6.

Marking for the Centre profile should allow the hanger to be placed above the Centre profile. The hanger should point in the same direction, but must never be placed right above the punching of the Centre profiles. The profile is attached to the construction above with a suitable fastening component. The distance between the hangers is 600 mm.

The Trap Centre Suspension can now be pushed forward over the Centre profile to be placed right below the hanger.

The Centre profile is placed and adjusted to the same level as the other profiles. Hangers should be tied together with two clips.

The lowest part of the hanger is pushed into the Trap Centre Suspension. The flap of the hanger should be tipped to lock the coupling.

The Trap element can now be installed on the Centre profile.

1. Gyptone Trap hanger
2. Gyptone Centre profile
3. Gyptone Trap Centre Suspension
4. Gyptone Trap element
The Trap solution with frieze profile should be connected to an existing frieze or ceiling.

Drill holes in the vertical flange of the Frieze profile. Fasten the profile to the frieze with suitable fastening components.

The distance between the screws is 600 mm. Notice that the frieze construction along the edge must be able to support the weight of the Trap elements.

The Trap element can now be placed on the Frieze profile.

1. Gyptone Trap Frieze profile
2. Gyptone Trap element
3. Frieze solution – Existing ceiling
Transverse Support
When 3 or more Trap elements are installed end to end, a stable solution is needed by every second Trap element. Studs or band steel should be fastened to walls and Centre profiles.

The distance between the Trap elements is 20 mm.

1. Trap transverse support
2. Trap element
3. Trap Centre Suspension and hanger
4. Trap Centre profile
5. Trap Wall profile
**Gyptone Trap™ system**

**Gyptone Trap – Good advice**

When mounting and demounting the Trap elements, hold onto the steel frame.

Place the master hangers into the pre-drilled holes in the frame.

For easier installation of the master hanger, bend the hanger before placing it in the second hole.

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**How to make the measurements for Trap elements**

**Wall profile**

**Frieze / Wall profile**

**Wall / Centre profile**
Gyptone Trap™ system

Checklist for installation of Gyptone Trap
We recommend reading this manual thoroughly prior to installation.

☐ Humidity in the room should not exceed 70% during installation or usage.

☐ Always use an appropriate grid system when installing Gyptone Trap.

☐ It is possible to remove the steel frame surrounding the gypsum board in a Trap element. This is useful in case repainting of the gypsum board is required.

☐ Always leave a 20 mm gap between the Trap elements.

☐ Position the hangers according to this manual and the general specification of the project, when using solution B, with Centre profiles.

☐ Remember transverse support, when installing more than 3 Trap elements end to end.

☐ Remember to install the master hangers, as they are not preinstalled from the factory.

☐ Always use clean gloves when installing Gyptone Trap. The best way to handle a Trap element is by holding on to the steel frame.

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ISO and OHSAS
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