Gyptone Edge E™ system
Installation manual

Design and technique

Product description
Gyptone edge E15 is pre-painted, removable, acoustic suspended ceiling mounted in an semi exposed grid system (T15). The visible width of the grid system is 15 mm. The ceiling can be used for many applications like schools, offices and commercial settings. Gyptone edge E15 is a fully demountable ceiling so the ceiling provides good opportunities for inspection in the cavity above the ceiling. The product is subject to full recycling as raw material for new plaster boards.

Plenum height
Minimum and maximum plenum heights with T-grid system, is to be found on page 4.

Surfaces
The tiles surface is painted from the factory. Each Gyptone tile is painted with the colour NCS0500, with a gloss value of 5-9 according to ISO 2813. Future treatment is to be executed with a shorthair roller as spray painting will impair the acoustic performance. The colour of the grid system is snow-white (close to RAL9016 or RAL9003).

Grid system
Gyptone edge E15 is installed on a Quick-Lock grid system T15. The system is suspended and need the hangers suitable for the system. Gyptone edge E15 needs to be installed in accordance with this installation manual as well as the general specification of the project.

Fire resistance
A2-s1, d0.

Loading
Maximum point load for each tile, with a deflection of max 2 mm is 3 kg. If higher loading is needed the installations needs to be fixed to the slab above with dedicated suspensions. Maximum load equally spread on the main beams is 5 kg/m for T15 mm grids. Maximum point load for the grid is 3 kg.

Stability
Gyptone edge E15 is to be installed and used in rooms with relative humidity not exceeding permanently 70% or temperatures exceeding 45 degrees Celsius.

Weight
Non perforated Gyptone edge E15 approx. 8 kg/m²
Perforated Gyptone edge E15 approx. 7 kg/m²

Cleaning
Can be cleaned with a damp cloth. Do not use detergents. Always use gloves when installing Gyptone edge E15.

Maintenance
If damages on edges or surfaces occurs, the best solution is to replace the damaged tile, with a new tile.
The placement of the wall angle is marked with a bubble level/chalk line and mounted with a flatheaded screw suitable for the walls per max. 300 mm, the first one no more than 50 mm from a corner. The wall angles should not be shorter than 300 mm. Cut the profiles in close mitre at the corner joint. If the walls is uneven mount a thin wooden list behind the wall angle.

Hangers for the main beams are placed in rows per 1200 mm. The first main beam max. 600 mm from the wall. First hanger in main beam max. 400 from wall. The other hangers per max. 1200 mm. See the illustration on page 3. The hook of the hanger must be squeezed together with a pair of nippers.

At the longitudinal assembly of the main beams the couplings should be pushed together until they click. Adjust the hangers so that all main beams are about the same height as top level of the shadow moulding; see the illustration at the bottom right hand side.

When mounting the cross tees always place the hook in the right side of the slot seen from the mounting side. Cross tee is mounted at each 600 mm. See the illustration on page 3. The length of the cross tees closest to the wall is adjusted. The grid system is adjusted to the accurate height.

When placing the Gyptone tiles, use cotton gloves. Lift the tiles square through the grid system and lower it onto its place. Please note that all Gyptone tiles are directional (see the installation method inserted in the Gyptone package). All installations should be finished before mounting the tiles.

Adjusting the frieze tiles against the wall could be done with either a knife or a saw. When using a knife cut the front side cardboard first, then break the tile, and then cut through the backside cardboard. When using a saw, cut the tile from the frontside of the tile. The frieze tiles should not be cut with an undersize of more than max. 5 mm. To see different kinds of frieze solutions for edge E15, go to the www.gyptone.com webside.
Gyptone Edge E™ system

Gyptone Edge E tiles.

Grid system

Estimated consumption suspended installation of grid system.

<table>
<thead>
<tr>
<th>Item</th>
<th>Term T15</th>
<th>Length mm</th>
<th>cc mm</th>
<th>Usage/m² 600x600</th>
<th>Usage/m² 600x1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Main beam</td>
<td>4820181</td>
<td>3000/3600</td>
<td>1200</td>
<td>0.83 m</td>
<td>0.83 m</td>
</tr>
<tr>
<td>2  Cross Tee</td>
<td>4820163</td>
<td>1200</td>
<td>600</td>
<td>1.67 m</td>
<td>1.67 m</td>
</tr>
<tr>
<td>3  Cross Tee</td>
<td>4820161</td>
<td>600</td>
<td>1200</td>
<td>0.83 m</td>
<td>-</td>
</tr>
<tr>
<td>4  Wall angle 27 x 6 + 15 x 15</td>
<td>4140017</td>
<td>3000</td>
<td>-</td>
<td>Measurement</td>
<td>Measurement</td>
</tr>
<tr>
<td>6  Adjustable Hanger</td>
<td>-</td>
<td>-</td>
<td>1200</td>
<td>0.69 pcs.</td>
<td>0.69 pcs.</td>
</tr>
</tbody>
</table>
**Gyptone Edge E™ system**

**Gyptone edge E, suspension of grid system.**
To ensure an easy-going mounting of the tiles in the grid-system, the distance between the lower surface of the grids and the above element of building should be min. 100 mm.

**T-grid system with adjustable hangers**
The height is measured without any Gyptone tiles and without attachment to the slap above the ceiling. The distance is from the top of the hanger, to the bottom of the painted grid system.

<table>
<thead>
<tr>
<th>T15 / T24</th>
<th>Adjustable</th>
<th>Min. Height</th>
<th>Max. Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9-12</td>
<td>100 mm</td>
<td>130 mm</td>
</tr>
<tr>
<td></td>
<td>12-20</td>
<td>130 mm</td>
<td>210 mm</td>
</tr>
<tr>
<td></td>
<td>18-30</td>
<td>190 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td></td>
<td>30-60</td>
<td>310 mm</td>
<td>610 mm</td>
</tr>
<tr>
<td></td>
<td>60-100</td>
<td>610 mm</td>
<td>1010 mm</td>
</tr>
<tr>
<td></td>
<td>100-125</td>
<td>1010 mm</td>
<td>1260 mm</td>
</tr>
<tr>
<td></td>
<td>125-150</td>
<td>1260 mm</td>
<td>1510 mm</td>
</tr>
</tbody>
</table>

**Go to www.gyptone.com**

**Gyptone edge E, frieze solutions.**

1. 15 mm main T section 4820181, cc distance 1200 mm.
2. 15 mm Cross T section 4820163, length 1200 mm, cc distance 600 mm.
3. Adjustable hanger, cc distance 1200 mm.
5. Steel angle H 50/50, attached to wall at 400 mm, with screw with pan-head.
6. 12.5 mm adjusted plaster board FP-13E (edge E15 from factory), (joining supporters with steel base plate and fillers/screws).
7. Gyproc screw QS 25

**Go to www.gyptone.com**
Corners with shadow moulding

Mitre joint  

Butt joint

How to handle a box of tiles on the site

How to open a box, without damaging the tiles
Gyptone Edge E™ system

Check list for installing grid system and Gyptone edge E tiles
Prior to installation it is recommended to read the manual thoroughly.

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

☐ Only usage of API profiles as grid system.

☐ Fix wall shadow moulding to wall, with a maximum of 300 mm between the screws.

☐ For the best connection between the shadow mouldings in the corners, always make a mitre joint.

☐ Survey the room and position the hangers according to this manual and the general specification of the project.

☐ Always slide the Cross Tee in from the right side, when connecting to the main beam.

☐ Adjust the entire grid system into level. Recommended to use a laser.

☐ It is recommended to use a perforated tile as frieze for better acoustic absorption (except Line 4)

☐ For more frieze solutions visit our webpage www.gyptone.com.

☐ Always use clean gloves when installing Gyptone tiles.

☐ Make sure to install the tiles in the right direction (direction line on the backside of the tiles), to avoid a possible colour difference between the tiles when they are installed.

Gyproc A/S
Hareskovvej 12
4400 Kalundborg
Tlf. +45 59 57 03 30
Fax: +45 59 57 03 01
e-mail: info@gyproc.com
www.gyptone.com

ISO and OHSAS
Gyproc A/S has a quality management system, which is certified by BVQI Denmark A/A according to the demands in ISO 9001, 14001 and OHSAS 18001