Gyptone BIG™ system
Installation manual

Design and specifications

Use of the product
Gyptone BIG is a gypsum based acoustic ceiling with high design value since no joints are visible. The ceiling can be used for many applications like schools, offices and commercial settings. Gyptone BIG is screw mounted and non-demountable. The product is subject to full recycling as raw material for new plaster boards.

Plenum height
Minimum and maximum plenum heights with GK system in one level is to be found on page 7.

Surfaces
The plasterboard surface is subject to paint treatment after installation. Treatment is to be executed with a roller as spray painting will impair the acoustic performance. Joints are to be filled, sanded and painted, c.f. page 3.

Metal framing
Gyptone BIG can be installed on a GK/CD system in one level in accordance with this installation manual as well as the general specification of the project.

Fire resistance
A2-s1, d0.

Loading
Maximum point load is 3 kg. If higher loading is needed the installations are to be fixed to the slab above with dedicated suspensions.

Stability
Gyptone BIG system is to be installed and used in rooms with relative humidity not exceeding permanently 70% or temperatures exceeding 45 degrees celsius. Gyptone BIG can be curved (dry) to minimum 6 meters radius if installed on preshaped framing.

Weight
Gyptone BIG Base = 9 kg/m²
Other Gyptone BIG products = 8 kg/m²

Cleaning
Can be cleaned with a damp cloth depending on the final surface treatment. Do not use detergents.

Maintenance
Damages on edges or surfaces can be repaired by filling and painting.

Accessories
For inspection above install Gyptone Access Panels into Gyptone BIG Boards. Find more information in installation manual for Gyptone Access Panel.
Fix the GK-C edge profile to adjacent surface with appropriate fixing not exceeding cc distance of 400 mm. Carefully use the general specification material of the project as well as this manual.

Conduct a survey of the room. Carefully plan for positioning of metal framing, ceiling boards and a potential perimeter. Mark and fix suspension straps with appropriate fixings. Use 2 pcs of clips in connecting GK 27 and GK 26-27.

First suspension strap is to be positioned maximum 900 mm from the wall. Main profiles GK 1 positioned maximum 1200 mm from wall. Cross profiles placed with a maximum cc distance of 600 mm between GK 1 main profiles and maximum 600 mm from the wall.

Slide the connector GK 21 into the GK 2 cross profile and click into position between main profiles.

Install the Gyptone BIG Boards by using appropriate lifting equipment and fixing to metal framing with QSTR25 screw. Please note that all joints of boards must be supported by the metal framing. Ensure alignment of the perforation of the boards and keep the boards firmly pressed to the overhead metal framing when screw fixing.
**Gyptone BIG™ system**

Installation of metal framing (GK/CD system) and Gyptone BIG ceiling boards

Prior to installation it is recommended to read the manual thoroughly.

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**Finishing**

All board joints are to be jointed with adequate filler. Apply first a layer of Gyproc ProMix Joint or the like in the tapered section. Subsequently adding a paper reinforcement in the wet filler. Light sanding (grain 100-200) when cured. Apply a layer of filler Gyproc ProMix Finish or the like. Light sanding when cured until level with board.

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Use a QSTR 25 screw when mounting Gyptone BIG Boards. Distance from screw to corner is 50 mm and from screw to edge 15 mm. Distance cc between screws 200 mm. C.f. page 6 for additional positioning of fixings.

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Filling of screw heads with Gyproc ProMix Finish or the like in two rounds finished by a light sanding until level. Tip: Use a piece of plastic with a circular hole as a mould.

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Painting of Gyptone BIG is to be done with a short haired mohair roller to avoid excessive paint into perforation. Spray painting is not to be used as paint will impair the acoustic tissue thus degrading the acoustic properties. Gyptone BIG is to be primed and painted twice.
Gyptone BIG™ system

1200 x 2400 mm boards

Estimated consumption suspended installation of GK(CD) system.

<table>
<thead>
<tr>
<th>Article</th>
<th>Designation</th>
<th>Dim. mm</th>
<th>Length mm</th>
<th>cc mm</th>
<th>Consumption/m²</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Main profile</td>
<td>GK 1</td>
<td>27 x 60</td>
<td>4000</td>
<td>1200</td>
</tr>
<tr>
<td>2</td>
<td>Cross profile</td>
<td>GK 2</td>
<td>27 x 60</td>
<td>1135</td>
<td>600*</td>
</tr>
<tr>
<td>3</td>
<td>Perimeter channel</td>
<td>GK-C</td>
<td>28 x 47</td>
<td>3000</td>
<td>-</td>
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<tr>
<td>4</td>
<td>Connector</td>
<td>GK 20</td>
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<tr>
<td>5</td>
<td>Connector</td>
<td>GK 21</td>
<td>-</td>
<td>-</td>
<td>600</td>
</tr>
<tr>
<td>6a</td>
<td>Suspension Strap</td>
<td>GK 26-27</td>
<td>-</td>
<td>-</td>
<td>900</td>
</tr>
<tr>
<td>6b</td>
<td>Suspension Strap</td>
<td>GK 26-25</td>
<td>-</td>
<td>-</td>
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<tr>
<td>7</td>
<td>Suspension Strap</td>
<td>GK 27-150 etc.</td>
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<td>-</td>
<td>900</td>
</tr>
<tr>
<td>8</td>
<td>Suspension Wire</td>
<td>GK 25-250 etc.</td>
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<td>-</td>
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</table>

When installing in environment with high humidity (i.e. RH = 70%) cc distancing of maximum 400 mm is recommended.
**Gyptone BIG™ system**

900 x 2700 mm boards

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Estimated consumption suspended installation of GK(CD) system.

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<th>cc mm</th>
<th>Consumption/m²</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Main profile GK 1</td>
<td>27 x 60</td>
<td>4000</td>
<td>900</td>
<td>1,1 m</td>
</tr>
<tr>
<td>2</td>
<td>Cross profile GK 2</td>
<td>27 x 60</td>
<td>835</td>
<td>450*</td>
<td>2,2 m</td>
</tr>
<tr>
<td>3</td>
<td>Perimeter channel GK-C</td>
<td>28 x 47</td>
<td>3000</td>
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<td>By measurement</td>
</tr>
<tr>
<td>4</td>
<td>Connector GK 20</td>
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<td>-</td>
<td>4000</td>
<td>0,2 pcs.</td>
</tr>
<tr>
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<td>-</td>
<td>600</td>
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<td>6a</td>
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<td>1,0 pcs.</td>
</tr>
<tr>
<td>6b</td>
<td>Suspension Strap GK 26-25</td>
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<td>-</td>
<td>900</td>
<td>1,0 pcs.</td>
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<td>Suspension Strap GK 27-150 etc.</td>
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<td>-</td>
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<td>900</td>
<td>1,0 pcs.</td>
</tr>
</tbody>
</table>

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When installing in environment with high humidity (i.e. RH = 70%) cc distancing of maximum 300 mm is recommended.
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Positioning of screws for edge B1 for 1200x2400 mm og 900x2700 mm Gyptone BIG

Use screw type QSTR25

GK/CD system. Main profiles per cc distance 1200 mm and cross profiles per cc distance 600 mm

GK/CD system. Main profiles per cc distance 900 mm and cross profiles per cc distance 450 mm

GK/CD system. Main profiles per cc distance 1200 mm and cross profiles per cc distance 600 mm

GK/CD system. Main profiles per cc distance 900 mm and cross profiles per cc distance 450 mm
Gyptone BIG™ system

Alternative suspension heights for GK/CD system

**GK-system in 1 level**

<table>
<thead>
<tr>
<th>GK-system</th>
<th>Min. height</th>
<th>Max. height</th>
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<tbody>
<tr>
<td>GK26-27 +</td>
<td>150 mm</td>
<td>180 mm</td>
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<tr>
<td>GK26-27 +</td>
<td>190 mm</td>
<td>220 mm</td>
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<tr>
<td>GK26-27 +</td>
<td>290 mm</td>
<td>320 mm</td>
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<tr>
<td>GK26-27 +</td>
<td>490 mm</td>
<td>520 mm</td>
</tr>
<tr>
<td>GK26-27 +</td>
<td>990 mm</td>
<td>1020 mm</td>
</tr>
<tr>
<td>GK26-27 +</td>
<td>1035 mm</td>
<td>1065 mm</td>
</tr>
<tr>
<td>GK26-27 +</td>
<td>1135 mm</td>
<td>1165 mm</td>
</tr>
<tr>
<td>GK26-25 +</td>
<td>125 mm</td>
<td>200 mm</td>
</tr>
<tr>
<td>GK26-25 +</td>
<td>250 mm</td>
<td>325 mm</td>
</tr>
<tr>
<td>GK26-25 +</td>
<td>375 mm</td>
<td>450 mm</td>
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<td>GK26-25 +</td>
<td>500 mm</td>
<td>575 mm</td>
</tr>
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<td>GK26-25 +</td>
<td>750 mm</td>
<td>825 mm</td>
</tr>
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<td>GK26-25 +</td>
<td>1000 mm</td>
<td>1075 mm</td>
</tr>
<tr>
<td>GK23</td>
<td>55 mm</td>
<td>110 mm</td>
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<tr>
<td>GK24</td>
<td>30 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>GK28 100 mm</td>
<td>100 mm</td>
<td>100 mm</td>
</tr>
<tr>
<td>GK28 200 mm</td>
<td>200 mm</td>
<td>200 mm</td>
</tr>
</tbody>
</table>

Heights are measured from under slab to overside of plaster board. Fixing to slab/plenum is not considered.

**GK 26-27 suspension with strop GK 27**

**GK 26-25 suspension with strop GK 25**

**GK 23 suspension**

**GK 24 direct fixing**

**GK 28 suspension**
Gyptone BIG™ system
Gyptone Big boards, good advice

Board support

100% level support

Full contact prior to screw fixing

Positioning of screws

Gyptone BIG Boards are to be lifted vertically of the stack

NB: By sliding the board risk of rolling of tissue occur which will result in levelling problems by installation.
Check list for installing metal framing and Gyptone BIG Ceiling Boards

Prior to installation it is recommended to read the manual thoroughly.

- Humidity in room not to exceed 70% during installation or usage.
- Only usage of Gyproc GK System as metal framing.
- Fix edge profile GK-C with maximum 400 cc distance.
- Survey the room and position the straps according to this manual and the general specification of the project.
- Slide GK 1 main profiles into GK-C edge profile and twist the straps into position.
- Adjust all GK 1 main profiles into level
- Fill all joints and screw heads with adequate filler system in accordance with this manual. Subsequently sand until level.
- Finished surfaces to be primed and painted twice.
- Have expansion joints in accordance with the project specification been installed?
- Check positioning of screws on page 6.

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ISO 9001
Gyproc A/S has a quality management system, which is certified by BVQi Denmark A/S according to the demands in ISO 9001.

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