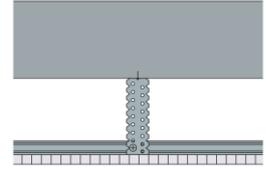


Technical Specification

This document provides guidance on how to achieve performance and warranty requirements by exclusively using British Gypsum products or system specifications.

GypCeiling Lining **C10A040 (EN)**

GypCeiling Lining suspended ceiling fixed to concrete structure to give a 50mm plenum depth and lined with one layer of Rigitone 15/30.



Background

| | |
|-----------------------|----------|
| Structural background | Concrete |
|-----------------------|----------|

Framework

| | | | |
|-----------------|---|-------------------------------|------|
| Suspension type | Gypframe GL2 Bracket | Suspension centres - Max (mm) | 1200 |
| Bracket fixing | British Gypsum Wafer Head Jack-Point Screws 13mm | | |

The fixing bracket is suitably fixed to underside of the concrete soffit.

| | | | |
|-------------------|---------------------------------------|--------------------------------------|-----|
| Primary framework | Gypframe GL1 Lining Channel | Primary framework centres - Max (mm) | 330 |
| Channel connector | Gypframe GL3 Channel Connector | | |

Fixing bracket legs are bent down and fixed to lining channels using two wafer head screws. Bend back the protruding leg of each bracket to sit back from the lining channel face. Lining channels can be extended where required, by engaging channel ends over a channel connector.

| | |
|-------------------------|---------------------------|
| Perimeter channel/track | Gypframe GL8 Track |
|-------------------------|---------------------------|

Perimeter track suitably fixed to background at 600mm centres.

Insulation

No insulation

Board and fixings

| | | | |
|------------------------|-----------------------|-------------------------|-----------------------------|
| Ceiling board, Layer 1 | Rigitone 15/30 | Ceiling screws, Layer 1 | Rigitone Screws 30mm |
|------------------------|-----------------------|-------------------------|-----------------------------|

Fix ceiling boards securely to all supports at maximum 230mm centres (reduced to 150mm at board ends). Do not fix into ceiling perimeter track. Fix working from the centre of each board. Position screws not less than 13mm from cut edges and 10mm from bound edges of boards. Set screw heads flush with plasterboard surface; do not break paper or gypsum core.

Finish coat

To achieve the specified performances, the system should be finished using Rigitone jointing products. See the product range guides on the British Gypsum website for more information.

System performance

Please read performance data with any associated standards.

| | |
|---|-------------|
| Sound absorption class | D |
| Sound absorption coefficient (α_w) | 0.45 |
| Minimum cavity / plenum (mm) | 50 |

| | |
|------------------------------|-----------|
| Maximum cavity / plenum (mm) | 75 |
|------------------------------|-----------|

Standards

These standards relate to the above performance data.

BS EN 20354, Acoustics - Measurement of sound absorption in a reverberation room.

Further information

SpecSure® system performance warranty confirms that British Gypsum proprietary systems will perform as specified for the lifetime of the building. The **SpecSure®** warranty requires that all components are specified in full and constructed in accordance with British Gypsum's installation guidance. For more details see the British Gypsum website. Always check with the design team before making any changes to the chosen specification, ensuring appropriate substantiation is sought to confirm that the solution still meets all required project performances.