Gyptone® BIG Walls

Design & Specifications

Use of the Product
Gyptone BIG is a large-format, perforated gypsum acoustical panel that allows the creation of wall and ceiling surfaces without visible joints or breaks.

Overall Depth of System
Minimum plenum depth with Gyptone® Z-channel and C-channel is approximately 2″.

Surfaces
The gypsum surface is intended to be painted after installation. Paint application must be made with a short nap roller (1/4″ recommended). **DO NOT SPRAY PAINT PANELS AS IT WILL SUBSTANTIALLY IMPAIR THE ACOUSTIC PERFORMANCE.** Joints should be taped, finished, and sanded. See page page 3 for additional information.

Suspension System
Gyptone BIG can be installed on CertainTeed Z-Channel and C-Channel, furred out from an existing structure. In addition, other Z- and C-channels can be used, provided they provide a minimum surface dimension of 1.5 inches.

Stability
Gyptone BIG is to be installed and used in rooms with relative humidity not exceeding 70% or temperatures exceeding 104 degrees F. Gyptone BIG can be curved (dry) to a maximum 20-foot radius if installed on pre-shaped framing.

Weight
Gyptone BIG products ≈ 1.6 lbs./SF

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 with joint compound and painting.

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SAINT-GOBAIN

Read the entire manual before installing.

Acoustic Walls, New Partitions

1 Ceiling structure/ floor structure
2 Wall structure
3 GK C-Channel profile
4 GK Z-Channel profile
5 2.5" CertainTeed Insulation (unfaced)
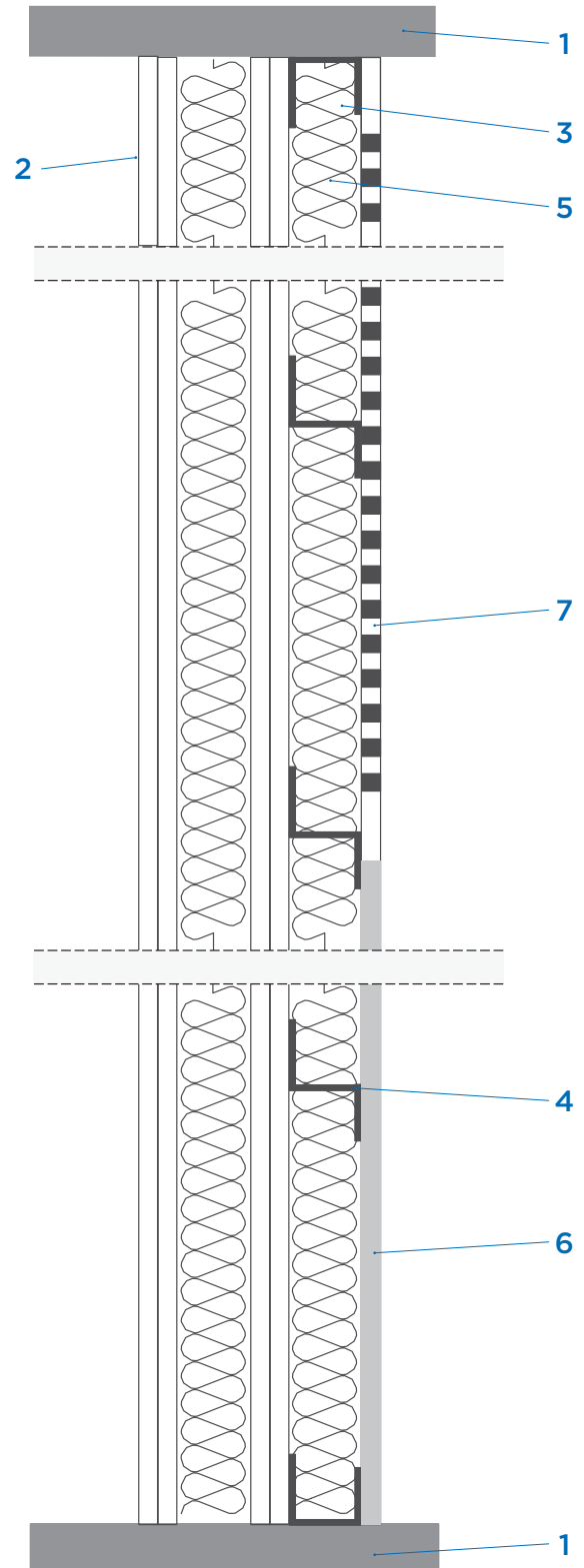**6** CertainTeed Gypsum Board
7 Gyptone BIG Board

Installation

• Choose a suitable wall structure based on meeting the necessary requirements for fire, light, sound insulation and wall height. The chosen wall is built and used as a base for the Gyptone acoustic wall.

• Frame the wall structure with **GK-Channel** with distance between screws not exceeding 12 inches.

• Attach the **GK Z-Channel** horizontally across the wall structure with the distance between the screws not exceeding 12 inches.

• The distance between the horizontal **GK Z-Channel** sections is 300 mm (≈11-13/16").

• Fit 2.5 inches of **CertainTeed Insulation (unfaced)** between the Z-Channel sections.

• Attach **Gyptone BIG** standing vertically. Locate the boards so that short board edges are directly over the mid-point of the Z-Channel (screw surface).

• Consider attachment of **CertainTeed Gypsum Board** to lower part of the wall where incidental impact may occur.

• Screw distance is a maximum of 8 inches (where possible) on board edges.

• Screw distance is a maximum of 12 inches in the body of the board.

• Screws for attachment in the perforated area of Gyptone BIG and should be **QSTR 25.**

Finishing

• Use **CertainTeed All-Purpose Joint Compound** (or equivalent) and **Marco Spark-Perf Paper Tape** (or equivalent) for all joints.

• All joints, screw holes and edges should be finished until a smooth, even surface is achieved.

• Paint application is one prime coat plus two finish coats applied with a 1/4" nap roller.

NOTE: Perforated Gyptone products must not be spray-painted. Taping/finishing must be done by hand (not with a taping gun)

Acoustic Walls, Existing Structures

1 Wall structure
2 GK C-Channel profile
3 GK Z-Channel profile
4 2.5" CertainTeed Insulation (unfaced)
5 CertainTeed Gypsum Board
6 Gyptone BIG Board

Installation

• Frame the wall structure with **GK C-Channel** with distance between screws not exceeding 12 inches.

• Attach the **GK Z-Channel** horizontally across the wall structure with the distance between the screws not exceeding 12 inches.

• The distance between the horizontal **GK Z-Channel** sections is 300 mm (≈11-13/16").

• Fit 2.5 inches of **CertainTeed Insulation (unfaced)** between the Z-Channel sections.

• Attach **Gyptone BIG** standing vertically. Locate the boards so that short board edges are directly over the mid-point of the Z-Channel (screw surface).

• Consider attachment of **CertainTeed Gypsum Board** to lower part of the wall where incidental impact may occur.

• Screw distance is a maximum of 8 inches (where possible) on board edges.

• Screw distance is a maximum of 12 inches in the body of the board.

• Screws for attachment in the perforated area of Gyptone BIG and should be **QSTR 25.**
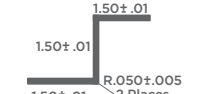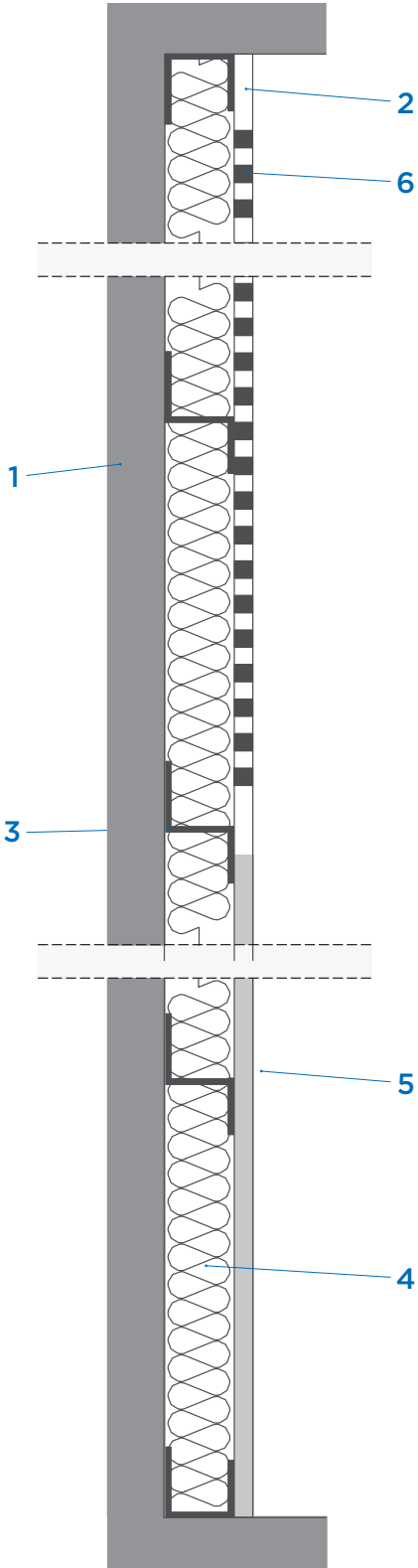
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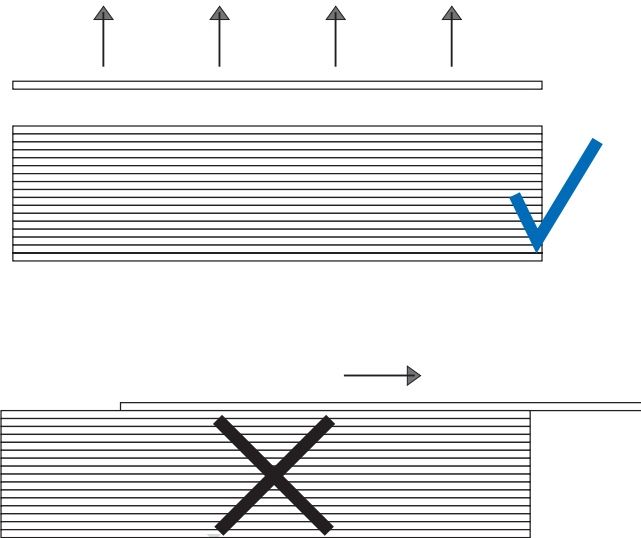
Accessory Consumption Table for Walls
(new / existing)

C-Channel	R.050±.005 2 Places, 1.50±.01, 1.80±.01, 2.00±.01	118 L.F./bundle	As required to frame perimeter of wall on all edges
Z-Channel	1.50±.01, 1.50±.01, 1.50±.01, R.050±.005 2 Places	98 L.F./bundle	Subtract the length of wall from total square footage of wall. The result is the approximate total **Z-Channel** required in L.F.

Gyptone® BIG™ Boards are to be lifted vertically off the stack

NOTE: Do not slide panels as damage to acoustic tissue will likely result.