BACK TO NAVIGATE

GYPROC SOUND RESISTANT WALL SYSTEM

Details are NOT PROJECT SPECIFIC and need to be approved by a project professional before use to ensure that they meet with the specific project requirements. DRAWINGS NOT TO BE MODIFIED OR SCALED to suite without approval. **DRAWINGS FOR INFORMATION ONLY**. Construction concept only which is applicable to any Stud size and Board type. The detail should be read in conjunction with Saint-Gobain current literature available on www.gyproc.co.za. Systems need to be built to full height from structural floor to structural soffit to achieve fire and acoustic performance.

Gyproc Sound Resistant Wall System 102LBF180S81

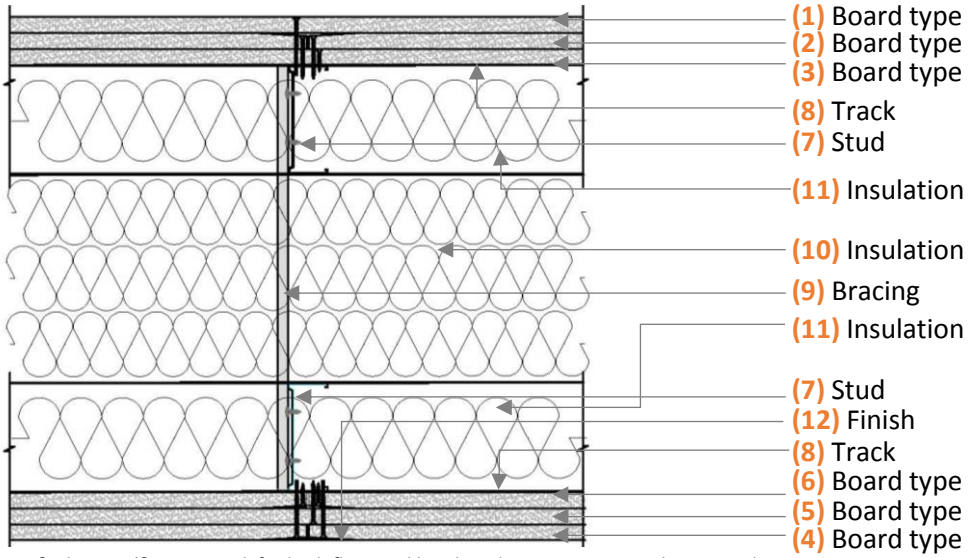
			Stud Spacing (centres)	Max Height (L/250 @ 200Pa)	System Nominal Thickness	Framework Height	Cladding Height	Duty Rating	Deflection allowance
180 min	Rw 81 dB	98 kg/m²	300 mm	-	800 mm	To underside of structural soffit	Full height	Severe	None
			400 mm	-					
			600 mm	9000 mm					

System Overview

Side 1 consisting of outer layer RhinoBoard® SoundBloc® 15 mm (1), middle layer RhinoBoard® SoundBloc® 15 mm (2), inner layer RhinoBoard® SoundBloc® 15 mm (3). Side 2 consisting of outer layer RhinoBoard® SoundBloc® 15 mm (4), middle layer RhinoBoard® SoundBloc® 15 mm (5), inner layer RhinoBoard® SoundBloc® 15 mm (6), (locally manufactured, ISO 9001 & 14001 certification, recycled paper content, Ecospecifier, Greentag level B listing, non-combustible to SANS 10177-5) fixed to both sides of the frameworks using Gyproc Sharp-point Screws 25 mm (base layer), Gyproc Sharp-point Screws 42 mm (middle layer) and Gyproc Sharp-point Screws 60 mm (face layer) at maximum 220 mm centres. Gypframe® Heavy Duty Stud 102 mm (7) (locally manufactured, recycled content, ISO 9001 & 14001 certification) friction fitted into top and bottom Gypframe® Heavy Duty Tracks (8) at 600 mm centres. Install 25 mm x 25 mm Gyproc Galvanised Angle at 3600 mm vertical centres (9), fixed to the studs using two lines of two Gyproc Wafer-head Tek Screws 13 mm per stud fixing position. Floor and head track fixed with two lines of proprietary fixings staggered at 300 mm centres. Gypframe® UltraSTEEL® Deep track shall be used for both floor and head track. Install Gypframe® Corner Bead to all external corners. Apply Gyproc RhinoTape® to all joints and internal corners. Install 102 mm Isover Cavitybatt™/Cavitylite® into frameworks with joints tightly butted, leaving no gaps x3 (10) and Install 4 x 50 mm Isover Energylite of density 64 kg/m³ (11) in-between studs. Cover Gyproc RhinoTape® with 1 layer of Gyproc RhinoLite® Multipurpose/ Natural Plus® (12) (locally manufactured). Apply sealant (supplied by others) between the building structure and the drywall framework. Bulk fill the gaps at the base of the drywall and any gaps exceeding 5 mm using Gyproc RhinoLite® or Gyproc RhinoGlide®. No skimmed finish and jointed finish required when tiling. Reduce stud spacing's to 400 mm centres when tiling.

System Details

Downloadable BIM files can be found at Saint-Gobain BIM Library: https://bimlibrary.saint-gobain.com/



For system heights exceeding 4200 mm, use Gypframe® UltraSteel® Deep Track for both floor and head tracks. For systems with expected deflection of >10 mm and <4200 mm height, use Gypframe® UltraSteel® Deep Track for head tracks only.