

# GYPROC FIRE 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](http://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 Fire Resistant Wall System 102F120S51

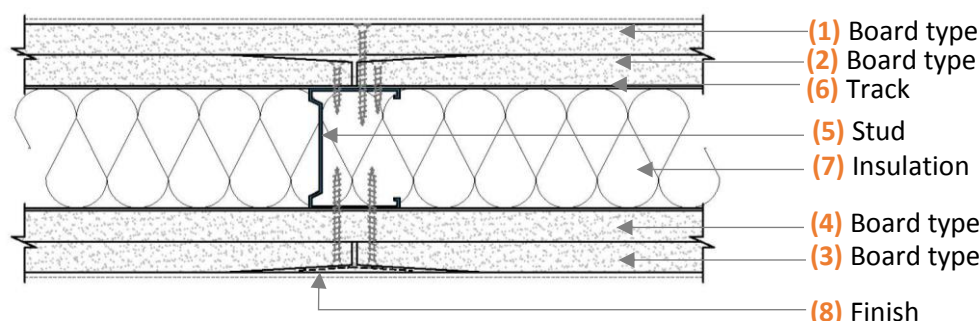
			Stud Spacing (centres)	Max Height (L/250 @ 200Pa)	System Nominal Thickness	Framework Height	Cladding Height	Duty Rating	Deflection allowance
120 min	Rw 51 dB	49 kg/m <sup>2</sup>	300 mm	6500 mm	162 mm	To underside of structural soffit	Full height	Severe	None
			400 mm	6300 mm					
			600 mm	6100 mm					

### System Overview

Side 1 consisting of outer layer RhinoBoard® FireStop® 15 mm (1), inner layer RhinoBoard® FireStop® 15 mm (2). Side 2 consisting of outer layer RhinoBoard® FireStop® 15 mm (3), inner layer RhinoBoard® FireStop® 15 mm (4), (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) and Gyproc Sharp-point Screws 25 mm (face layer) at maximum 220 mm centres. 102 mm Gypframe® UltraSTEEL® Studs (5) (locally manufactured, recycled content, ISO 9001 & 14001 certification) friction fitted into top and bottom 102 mm Gypframe® UltraSTEEL® Tracks (6) at 600 mm centres. 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. Apply Gyproc RhinoTape® to all joints and internal corners. Install Gypframe® Corner Bead to all external corners. Install 102 mm Isover Cavitybatt™/Cavitylite® into frameworks with joints tightly butted, leaving no gaps (7). For Skimmed Finish: Cover entire drywall surface with 1 layer of Gyproc RhinoLite®. For Jointed finish: Cover Gyproc RhinoTape® with 2 coats of Gyproc RhinoGlide® (8) (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. Details shown are subject to accuracy of information provided to Saint-Gobain at the time the drawings were originally requested. No duty of care is owed to the recipient or any other third party and Saint-Gobain does not accept any liability in respect of details shown. This Saint-Gobain system detail must not be used without a complete evaluation by owner's design professional to verify the suitability of its use with your specific application. **The detail should be read in conjunction with Saint-Gobain current literature. Refer to literature and clauses at <https://www.gyproc.co.za/>.**