GypWall

SoundBloc

Gyproc
SAINT-GOBAIN

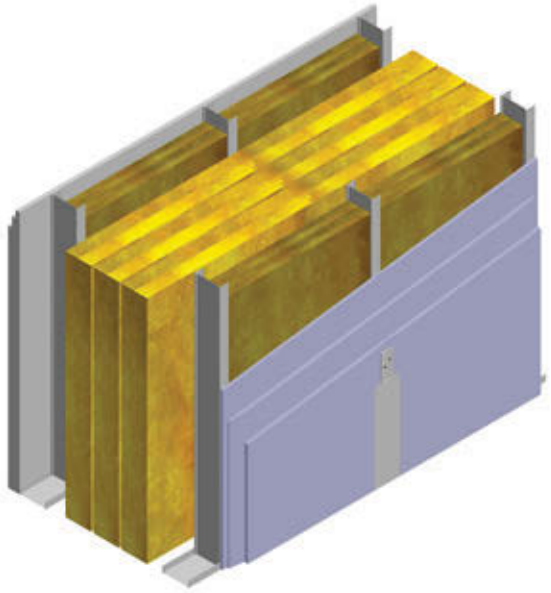
GypWall SoundBloc Systems

Effective sound insulation is a necessity as peace and quiet are essential to relaxation, healing and concentration. Long-term noise disturbance may even lead to significant health problems.

GypWall SoundBloc walling systems, made of SoundBloc plasterboard (blue paper lining) have been designed and developed with sound insulating properties in mind.

Key facts

- Range of stud options to match performance requirements
- Acoustic stud option for enhanced acoustic performance
- Achieves high levels of sound insulation up to Rw 81dB
- Donn UltraSTEEL™ metal framework will not twist, warp or rot
- Fire resistance tested in accordance with SANS 10177: Part 2
- Acoustic ratings tested in accordance with SANS ISO 140-3: 1995
- Impact rating tests according to in BS 5234: Part 2



Applications

Due to the design flexibility of Gyproc high performance walling systems, they can be tailored to meet the requirements of a wide range of applications.

Sector

Healthcare | Educational | Commercial | Residential | Hospitality

Performance

SOUND INSULATION RATING
Sound insulation range from 66dB – 81dB

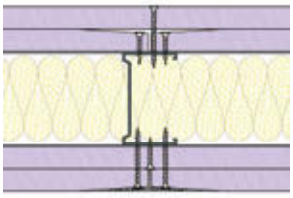
FIRE RATING
Fire rating range 60 - 180 minutes.

Performance

60 minutes fire resistance

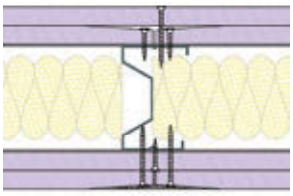
1 GypWall SoundBloc 63/F60S53

2 layers Gyproc SoundBloc 15mm fixed to both sides of the framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. All joints shall be staggered. Framework consisting of Donn UltraSTEEL™ Stud 63.5mm inserted into top and bottom Donn UltraSTEEL™ Track 63.5mm at 600mm centres. Install Isover Cavitybatt 63mm, 14kg/m³ density in the cavity. Apply Gyproc RhinoTape to all joints. Install Donn Corner bead to all external corners.



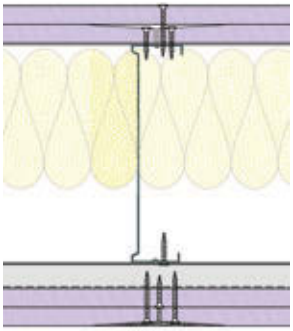
2 GypWall SoundBloc 70AS/F60S57

2 layers Gyproc SoundBloc 12.5mm fixed to both sides of the framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. All joints shall be staggered. Framework consisting of 70 AS 50 AcouStud inserted at 600mm centres into 72 C 50 floor and ceiling channel. Install Isover Cavitybatt 63mm, 14kg/m³ density in the cavity. Apply Gyproc RhinoTape to all joints. Install Donn Corner bead to all external corners.



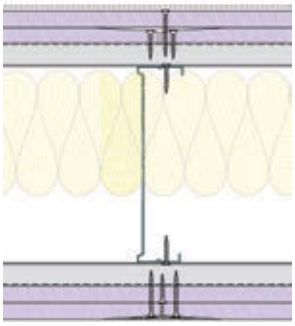
3 GypWall SoundBloc Plus 146LB/F60S66RB1

Two layers of Gyproc SoundBloc 12.5mm fixed to both side of a framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. Framework consisting of 146 S 50 'C' studs inserted at 600mm centres into 148 C 50 Floor and Ceiling Channels and Resilient Bars fixed to one side of the studs at every 600mm centres. Isover Cavitybatt 102mm thick 14kg/m³ density insulation is installed in the cavity.



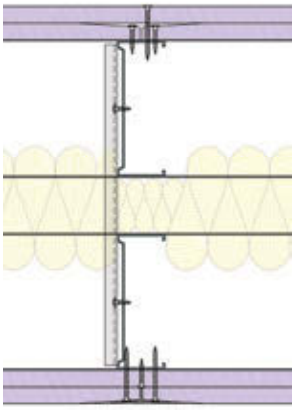
4 GypWall SoundBloc Plus 146LB/F60S66RB2

Two layers of Gyproc SoundBloc 12.5mm fixed to both side of a framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. Framework consisting of 146 S 50 'C' studs inserted at 600mm centres into 148 C 50 Floor and Ceiling Channels and Resilient Bars fixed to both sides of the studs at every 600mm centres. Isover Cavitybatt 102mm thick 14kg/m³ density insulation is installed in the cavity.



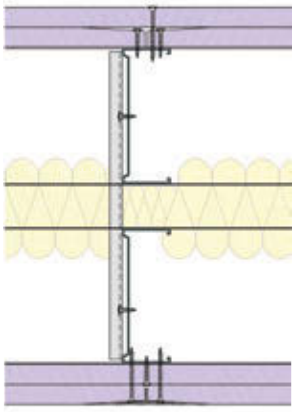
5 GypWall SoundBloc HiSpec 102LB/F60S70

Two layers of Gyproc SoundBloc 12.5mm fixed to both sides of the framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. Framework consisting of 2 x DonnFrame LB Studs 102mm inserted at 600mm centres into 2 x DonnFrame LB Track 102mm. Gypframe 99 FC 50 Fixing channel used as framework bracing at 3600mm vertical centres. Isover Cavitybatt 102mm thick, 14kg/m³ density insulation is installed in the cavity. Apply Gyproc RhinoTape to all joints. Install Donn Corner bead to all external corners.



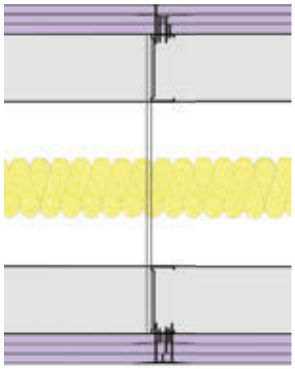
6 GypWall SoundBloc HiSpec 102LB/F60S71

Two layers of Gyproc SoundBloc 15mm fixed to both sides of the framework using Gyproc Sharp Point Screws 25mm and 42mm at maximum 220mm centres. Framework consisting of 2 x DonnFrame LB Studs 102mm inserted at 600mm centres into 2 x DonnFrame LB Track 102mm. Gypframe 99 FC 50 Fixing channel used as framework bracing at 3600mm vertical centres. Isover Cavitybatt 102mm thick, 14kg/m³ density insulation is installed in the cavity. Apply Gyproc RhinoTape to all joints. Install Donn Corner bead to all external corners.



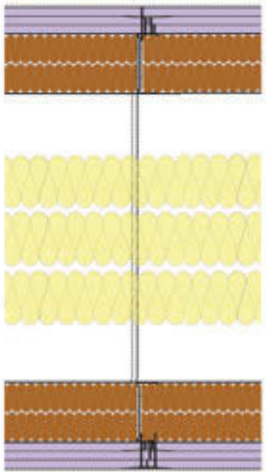
7 GypWall SoundBloc HiSpec 102LB/F180S75

Three layers of Gyproc SoundBloc 15mm to both sides of the framework using Gyproc Sharp Point Screws 25mm, 42mm and 60mm at maximum 220mm centres. Framework consisting of 2 x DonnFrame LB Studs 102mm inserted at 600mm centres into 2 x DonnFrame LB Track 102mm. Gypframe 99 FC 50 Fixing channel used as framework bracing at 3600mm vertical centres. Isover Cavityroll 100mm thick 14kg/m³ density insulation is installed in the cavity. Apply Gyproc RhinoTape to all joints. Install Donn Corner bead to all external corners.



8 GypWall SoundBloc HiSpec 102LB/F180S81

Three layers of Gyproc SoundBloc 15mm to both sides of the framework using Gyproc Sharp Point Screws 25mm, 42mm and 60mm at maximum 220mm centres. Framework consisting of 2 x DonnFrame LB Studs 102mm inserted at 600mm centres into 2 x DonnFrame LB Track 102mm. Gypframe 99 FC 50 Fixing channel used as framework bracing at 3600mm vertical centres. 3 layers of Isover Cavityroll 100mm thick 14kg/m³ density insulation and 4 layers Isover Energylite 50mm thick, 64kg/m³ density are installed in the cavity.



Detail	System name	Board thickness	Insulation thickness	Sound insulation R_w dB	Nominal wall thickness mm	Fire rating min
1	**GypWall SoundBloc 63/F60S53**	2 x 15mm	63mm	53dB (-2;-7)	124	60
2	**GypWall SoundBloc 70AS/F60S57**	2 x 12.5mm	63mm	57dB (-2;-6)	122	60
3	**GypWall SoundBloc Plus 146LB/F60S66RB1**	2 x 12.5mm	102mm	58dB (-2;-5)	214	60
4	**GypWall SoundBloc Plus 146LB/F60S66RB2**	2 x 12.5mm	102mm	66dB (-3;-9)	230	60
5	**GypWall SoundBloc HiSpec 102LB/F60S70**	2 x 12.5mm	102mm	70dB (-2;-8)	300	60
6	**GypWall SoundBloc HiSpec 102LB/F60S71**	2 x 15mm	102mm	71dB (-2;-7)	300	60
7	**GypWall SoundBloc HiSpec 102LB/F180S75**	3 x 15mm	100mm	75dB (-2;-6)	550	180
8	**GypWall SoundBloc HiSpec 102LB/F180S81**	3 x 15mm	3 x 100mm 4 x 50mm	81dB (-3;-8)	800	180

System components

Metal products

	**Donn UltraSTEEL Stud 63.5mm**		**146 S 50 C Stud**
	**Donn UltraSTEEL Stud 102mm**		**148 Floor and Ceiling Channel**
	**Donn UltraSTEEL Track 63.5mm**		**70 AS 50 AcouStud**
	**Donn UltraSTEEL Track 102mm**		**72 C 50 Standard Floor and Ceiling Channel**
	**DonnFrame Load bearing studs 102mm.**		**Resilient Bar**
	**DonnFrame Load bearing track 102mm.**		**Gypframe 99FC50 fixing channel**

Note: These are the components found in the GypWall SoundBloc systems. Please refer to the specific guidelines for each system's specific components.

Board products

Gyproc SoundBloc
12.5mm and 15mm

Board products

Gyproc RhinoBoard Sharp
Point Screws 25mm

Gyproc RhinoLite
Multipurpose Plaster

Gyproc RhinoBoard Sharp
Point Screws 41mm

Gyproc RhinoLite
Projection Plaster

Gyproc RhinoBoard Sharp
Point Screws 60mm

Gyproc RhinoGlide

Gyproc RhinoTape

GypWall SoundBloc | 63/F60S53

Nominal thickness (excluding finishes): **124mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 53 (-2,-7) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: Donn UltraSTEEL™ Studs 63.5mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor Track: Donn UltraSTEEL™ Track 63.5mm x 25mm fixed with one line of spaced at 600mm centres.
Head Track: Donn UltraSTEEL™ Track 63.5mm x 25mm fixed with one line of fixings spaced at 600mm centres. Adequate support shall be provided for Head track.

Apply sealant between the building structure and the framework.

Lining

2 layers of Gyproc SoundBloc 15mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: Gyproc RhinoBoard Sharp Point Screws 25mm at 220mm centres.
Screws for second lining layer: Gyproc RhinoBoard Sharp Point Screws 42mm at 220mm centres.

Cavity Insulation

Isover Cavitybatt 63mm thick 14kg/m^3 density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc Gyproc RhinoGlide/Gyproc RhinoLite.

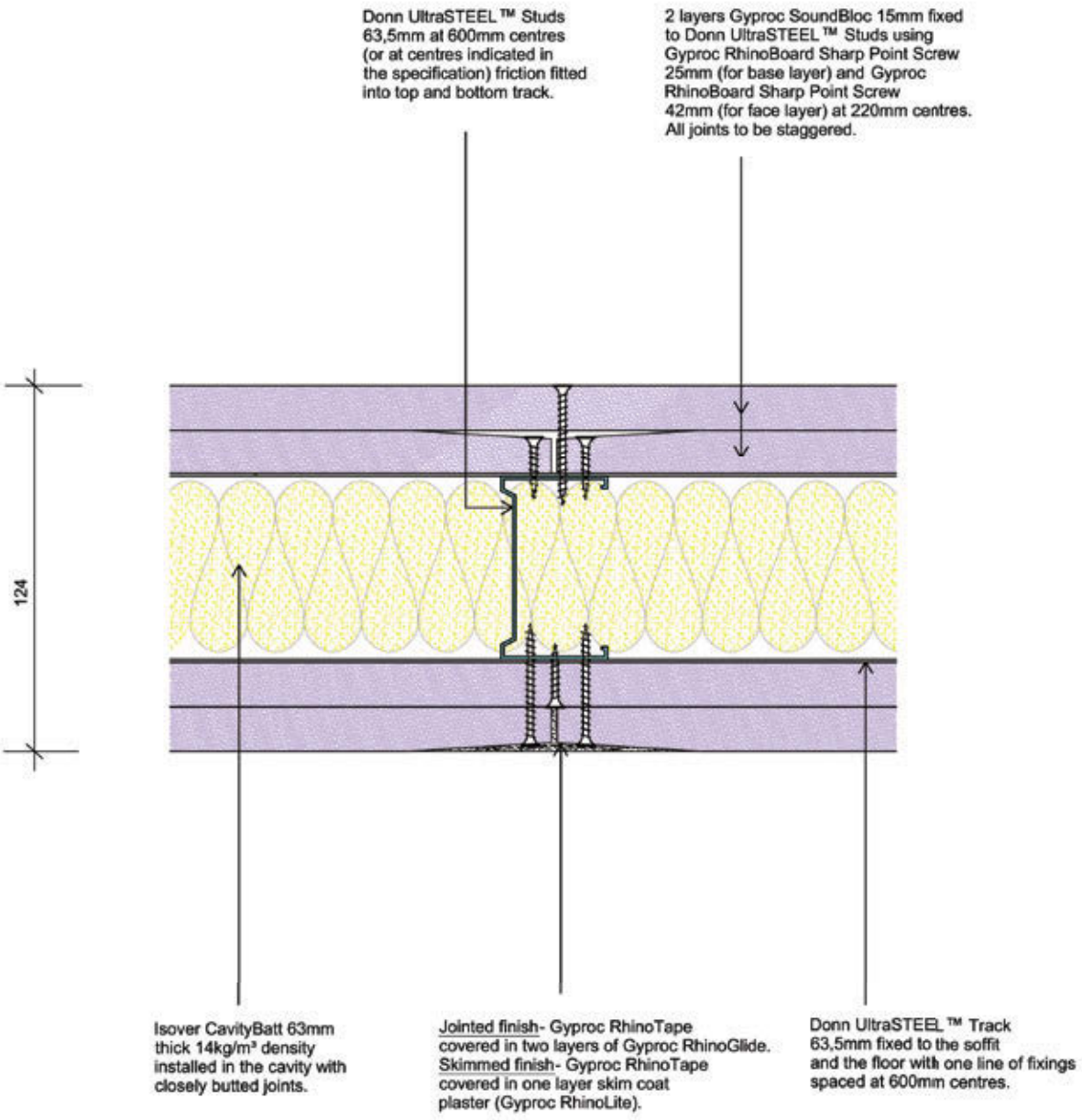
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint in accordance with the manufacturer's specification.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint in accordance with the manufacturer's specification.

NB To be read with Drywall Guidelines and Drywall Finishings documents

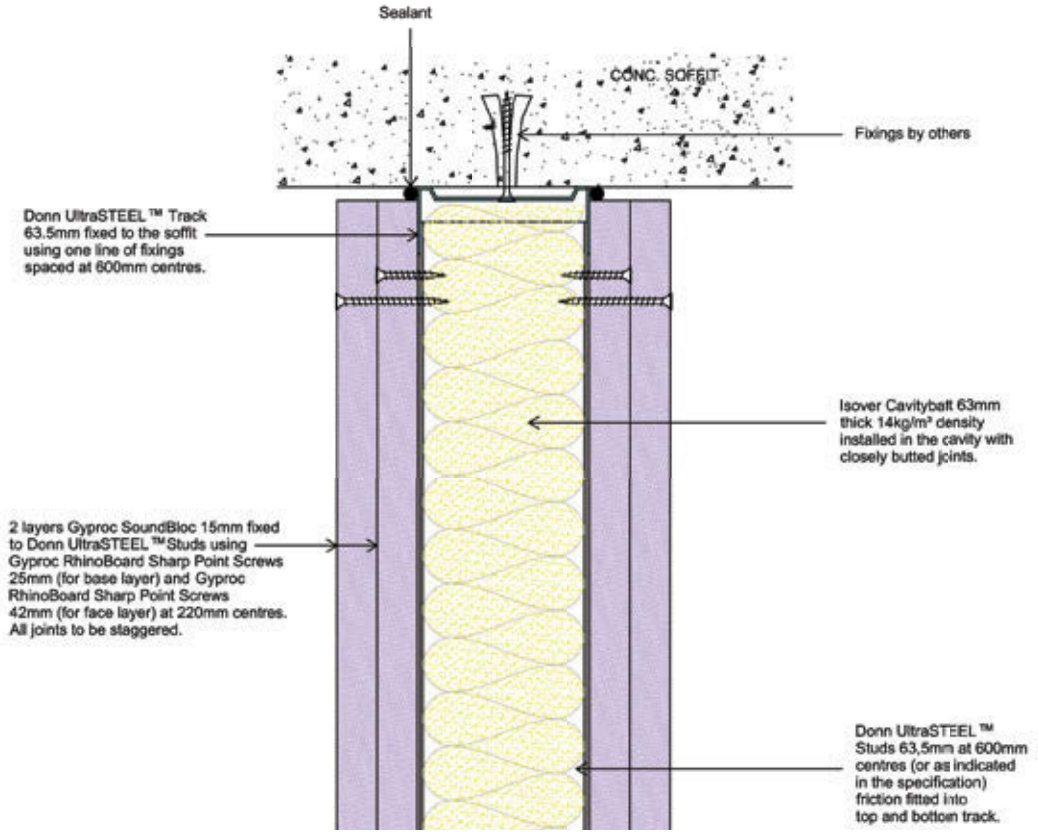
GypWall SoundBloc | 63/F60S53

Layout

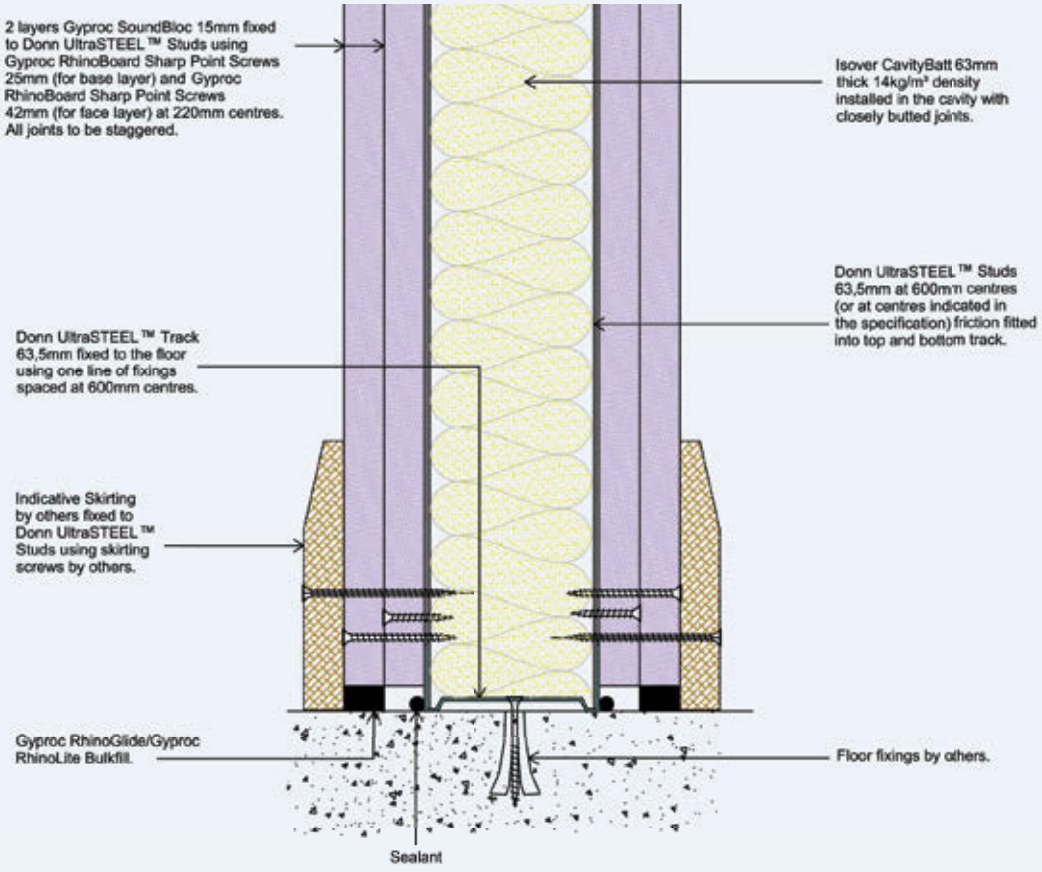


GypWall SoundBloc | 63/F60S53

Head detail



Base detail



Get away from it all

A hotel's most important promise to its guests is privacy and relaxation. Guests who feel relaxed and refreshed are more likely to return and recommend the hotel to others. Yet by nature, hotels are busy, noisy places. People come and go around the clock, vacuums whirr, and foot traffic and conversations can be heard up and down hallways. GypWall SoundBloc enhances the guest experience by providing a sound-buffered oasis of comfort amid the hustle and bustle of the busiest hotel.

BENEFITS FOR HOTELS

- **Helps guests feel relaxed and comfortable so they want to return**
- **Isolates noise from other guest rooms, service corridors and mechanical equipment**
- **Reduces disruptions and distractions in conference rooms and other meeting spaces**

GypWall SoundBloc | 70AS/F60S57

Nominal thickness (excluding finishes): **122mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 57 (-2,-6) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: 70 AS 50 AcouStuds at 600mm centres.
Floor Track: 72 C 50 Standard Floor and Ceiling Channel fixed with one line of fixings spaced at 600mm centres.
Head Track: 72 C 50 Standard Floor and Ceiling Channel fixed with one line of fixings spaced at 600mm centres.
Adequate support to be provided for Head track.

Apply sealant between the building structure and the framework.

Lining

2 layers of Gyproc SoundBloc 12,5mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: Gyproc RhinoBoard Sharp Point Screws 25mm at 220mm centres.
Screws for second lining layer: Gyproc RhinoBoard Sharp Point Screws 42mm at 220mm centres.

Cavity Insulation

Isover Cavitybatt 63mm thick 14kg/m^3 density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc Gyproc RhinoGlide/Gyproc RhinoLite.

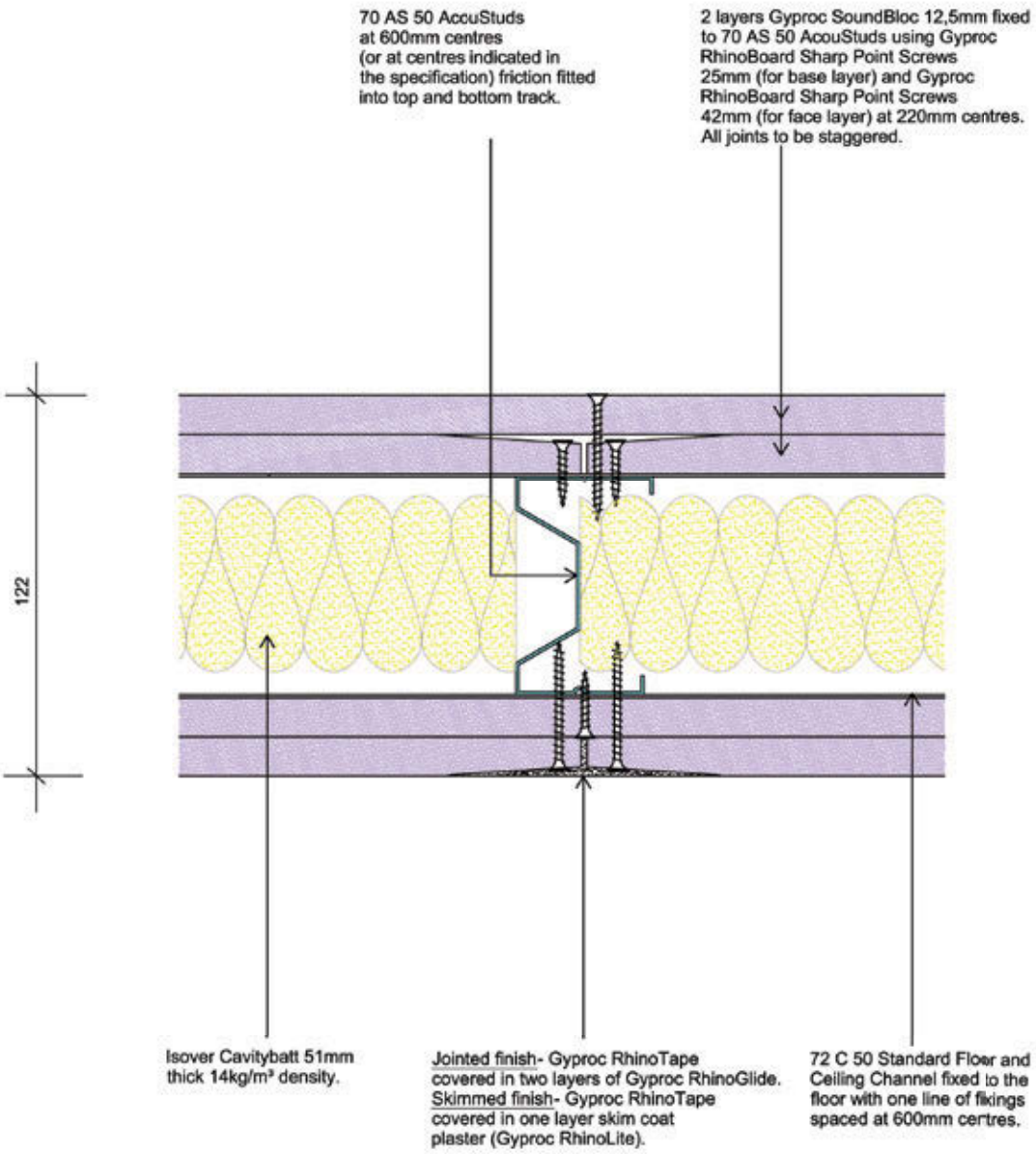
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint in accordance with the manufacturer's specification.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint in accordance with the manufacturer's specification.

NB To be read with Drywall Guidelines and Drywall Finishings documents

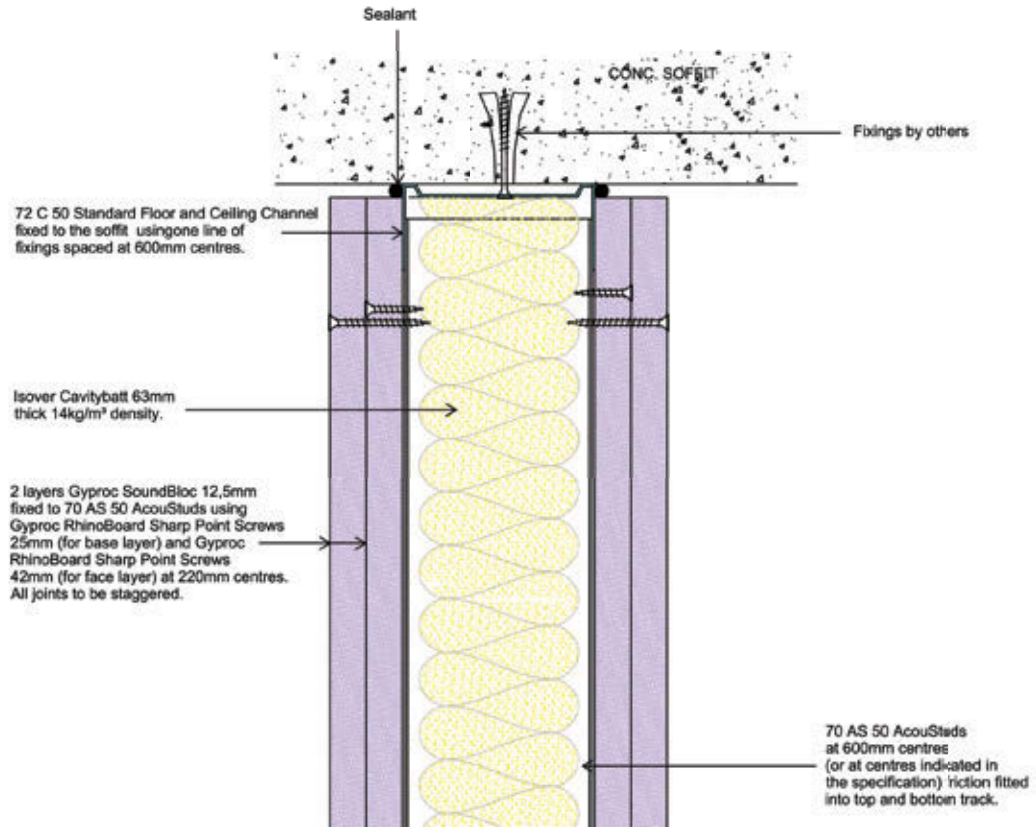
GypWall SoundBloc | 70AS/F60S57

Layout

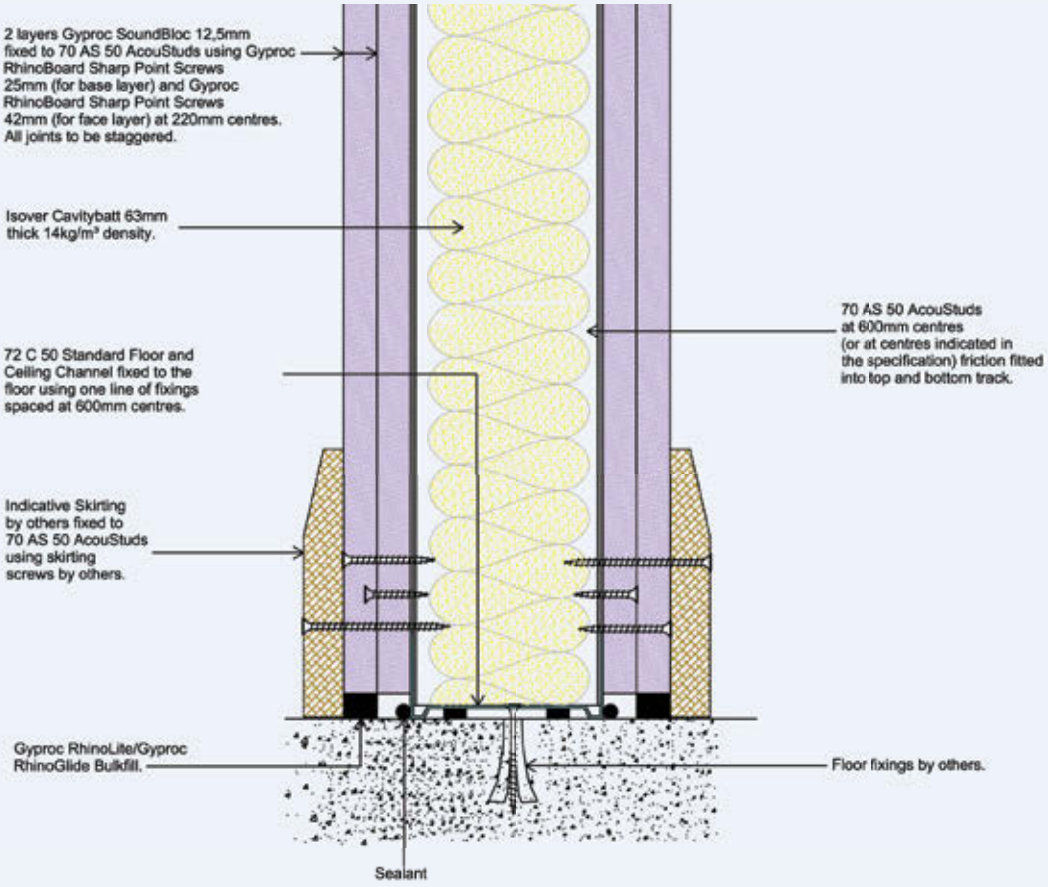


GypWall SoundBloc | 70AS/F60S57

Head detail



Base detail



GypWall SoundBloc Plus | 146/F60S58RB1

Nominal thickness (excluding finishes): **214mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 58 (-1,-5) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: 146 S 50 C Studs at 600mm centres.
Floor Track: 148 C 50 Floor and Ceiling Channel fixed with two lines of staggered fixings 90mm apart and spaced at 600mm centres.
Head Track: 148 C 50 Floor and Ceiling Channel fixed with two lines of staggered fixings 90mm apart and spaced at 600mm centres. Adequate support shall be provided for Head track.

Apply a sealant between the building structure and the framework.
Fix Resilient Bar to studs at every 600mm vertical centres-to one side of framework.
Install vertical resilient bar noggins to abutment, openings and corners.

Lining

2 layers of Gyproc SoundBloc 12.5mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: Gyproc RhinoBoard Sharp Point Screws 25mm at 220mm centres.
Screws for second lining layer: Gyproc RhinoBoard Sharp Point Screws 42mm at 220mm centres.

Cavity Insulation

Isover Cavitybatt 102mm thick 14kg/m^3 density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

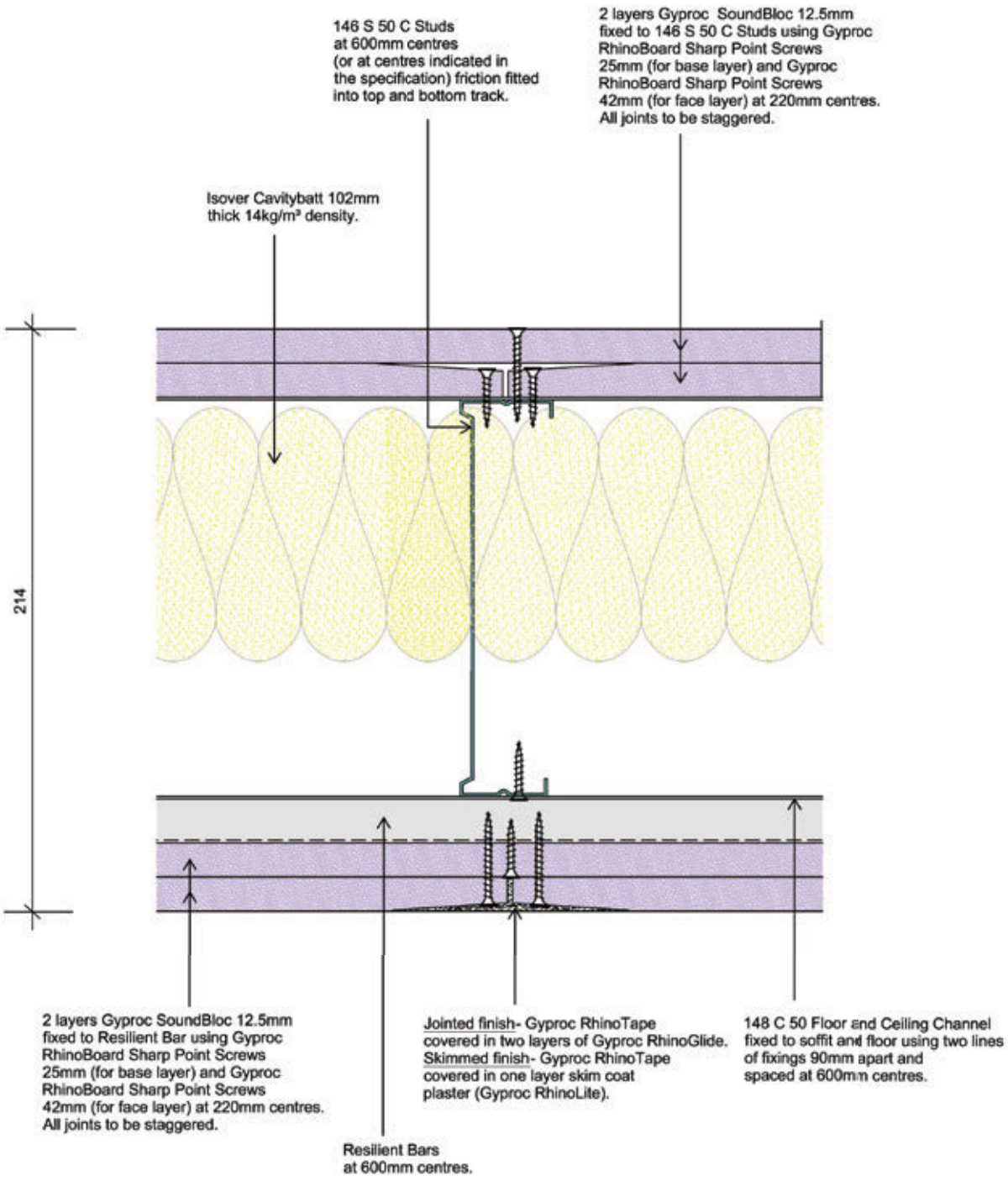
Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc Gyproc RhinoGlide/Gyproc RhinoLite.

Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint in accordance with the manufacturer's specification.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint in accordance with the manufacturer's specification.

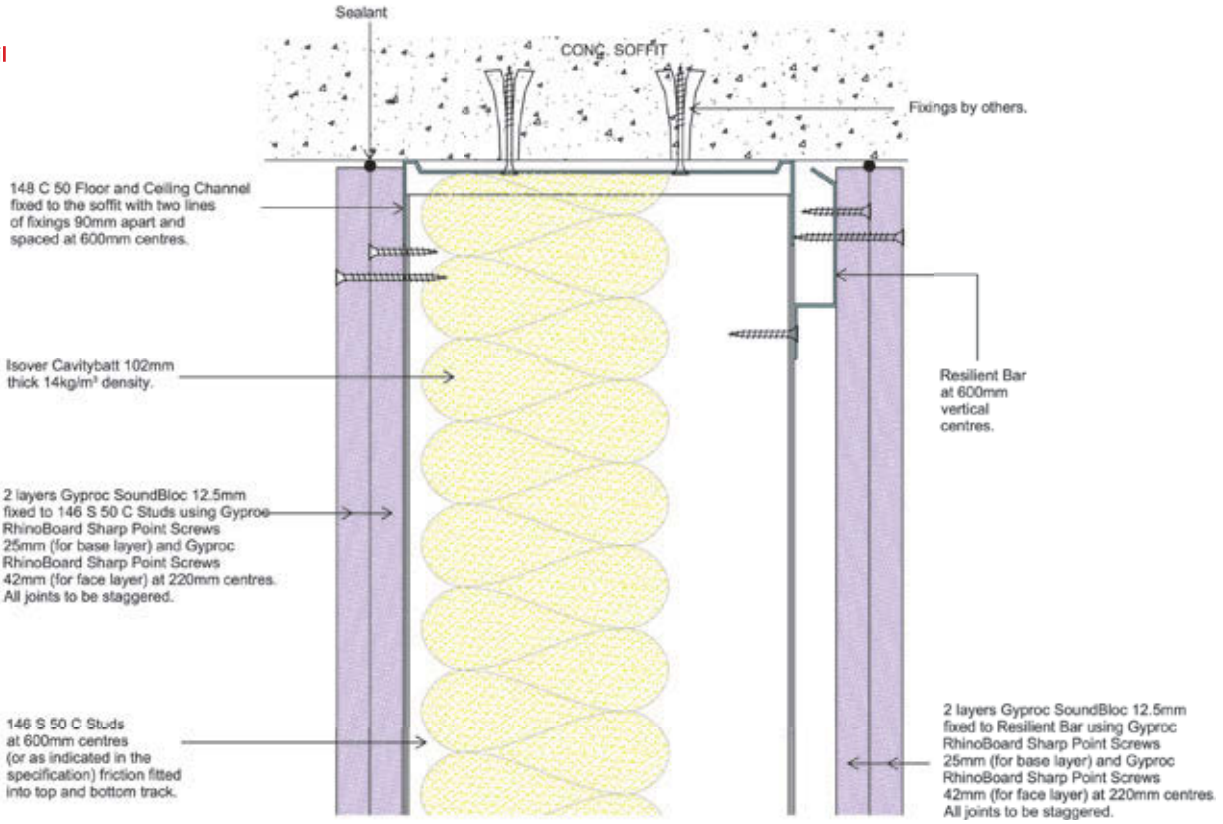
GypWall SoundBloc Plus | 146/F60S58RB1

Layout

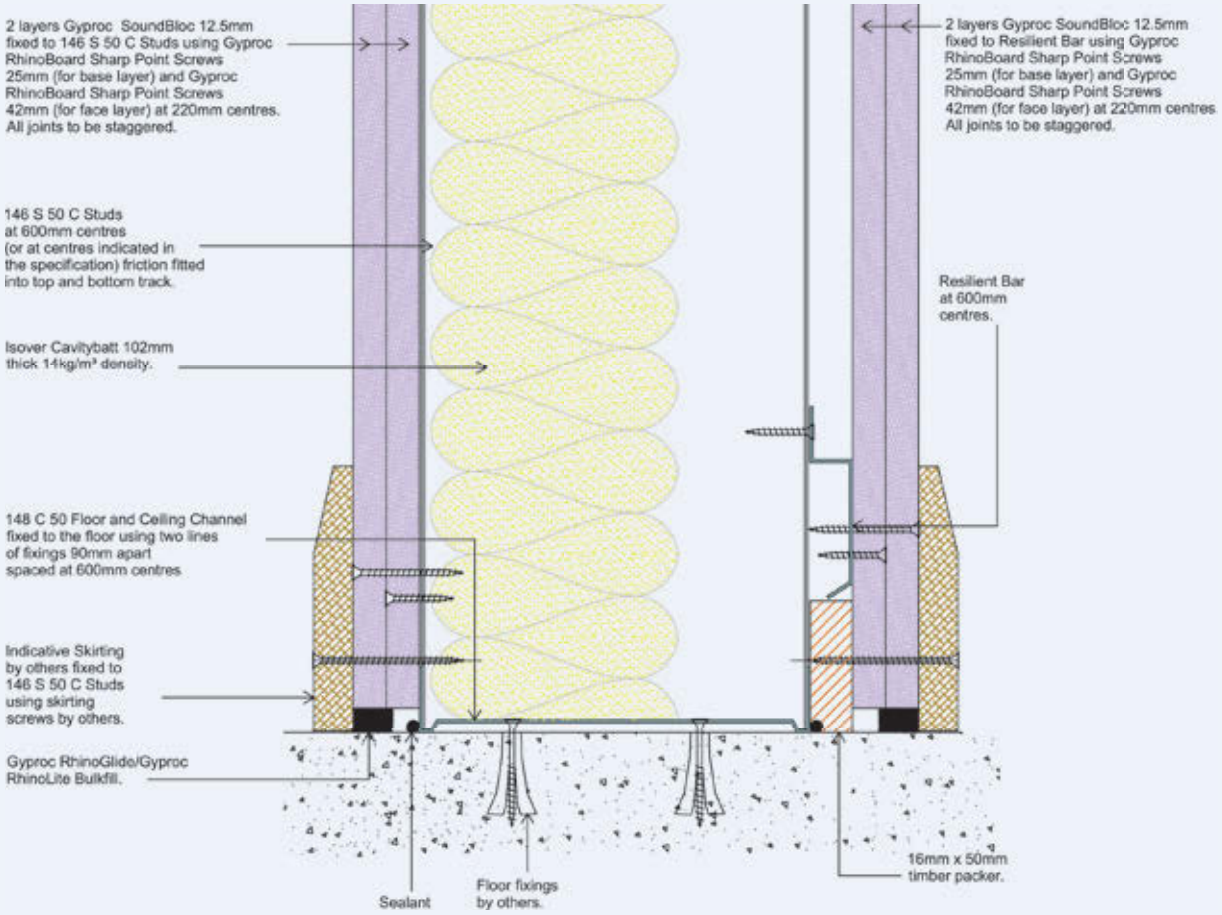


GypWall SoundBloc Plus | 146/F60S58RB1

Head detail



Base detail



A quiet place to heal

Healthcare facilities need to provide an oasis of quiet - conducive to healing. They are also under pressure to reduce costs and be more responsive to patients. In hospitals with reduced noise levels, patient satisfaction with caregiving is increased and sleep is improved. This leads to faster healing, which can mean shorter stays and reduced costs for both patients and hospitals.

BENEFITS FOR HEALTHCARE FACILITIES

- Improves patients' sleep and healing time, leading to reduced costs
- Increases staff job satisfaction, which can reduce turnover
- Helps meet acoustic privacy regulations

GypWall SoundBloc Plus | 146/F60S66RB2

Nominal thickness (excluding finishes): **230mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) =66(-3,-9) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: 146 S 50 C Studs at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor Track: 148 C 50 Floor and Ceiling Channel fixed with two lines of staggered fixings 90mm apart and spaced at 600mm centres.
Head Track: 148 C 50 Floor and Ceiling Channel fixed with two lines of staggered fixings 90mm apart and spaced at 600mm centres. Adequate support shall be provided for Head track.

Apply sealant between the building structure and the drywall framework.
Fix Resilient Bar to studs at every 600mm vertical centres-to both sides of the framework.
Install vertical resilient bar noggins at abutments, openings and corners.

Lining

2 layers of Gyproc SoundBloc 12.5mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: RhinoBoard Sharp Point Screws 25mm at 220mm.
Screws for second lining layer: RhinoBoard Sharp Point Screws 42mm at 220mm.

Cavity Insulation

1 x Isover CavityBatt 102mm thick, 14kg/m^3 density.
Fit insulation securely with closely butted joints, leaving no gaps.

Finishing

Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc RhinoGlide.

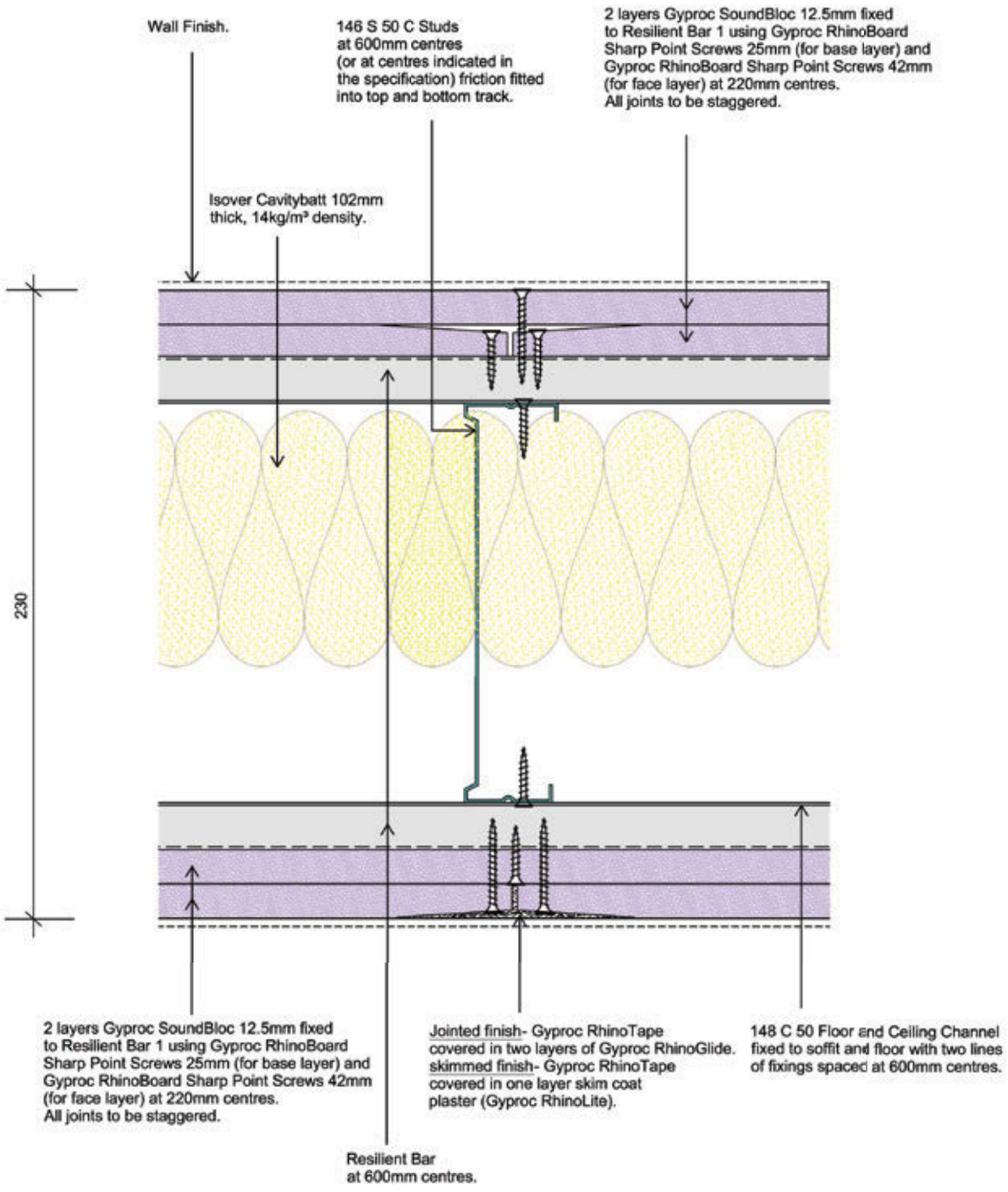
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Corner Bead embed in Gyproc RhinoGlide plaster to all external corners.
Jointed Finish: Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint as per manufacturer's specifications.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Corner Bead embed in Gyproc RhinoLite plaster to all external corners.
Skimmed Finish: Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint as per manufacturer's specifications.

NB To be read with Drywall Guidelines and Drywall Finishings documents

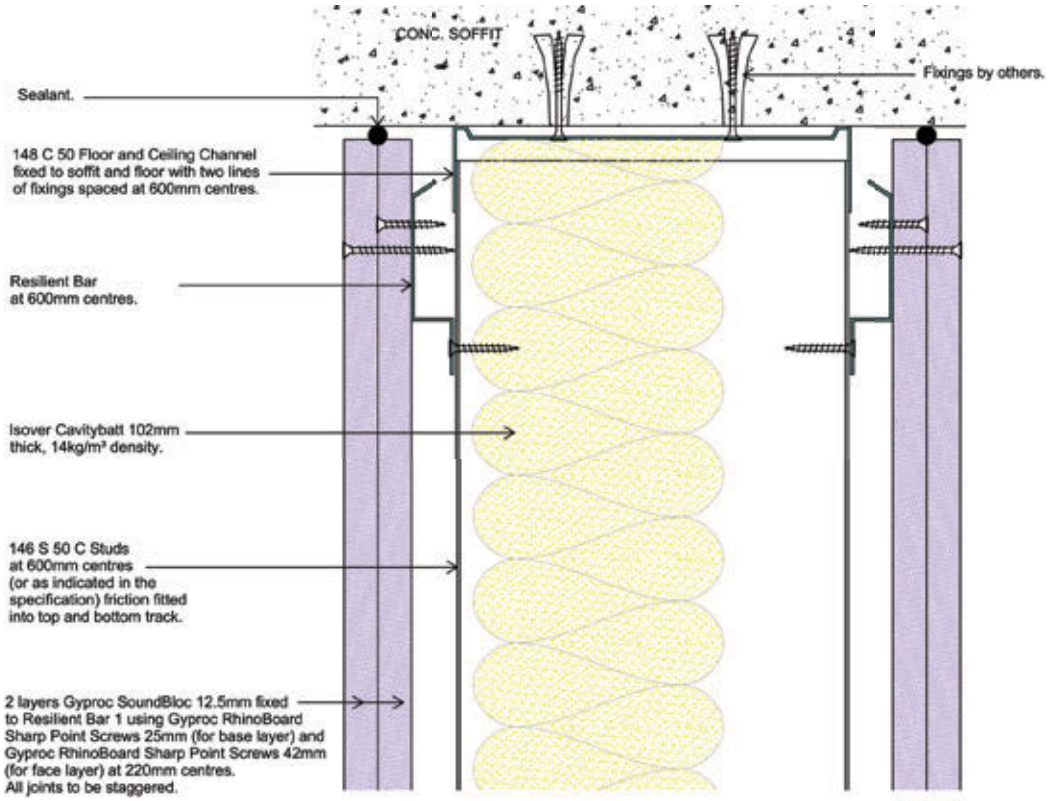
GypWall SoundBloc Plus | 146/F60S66RB2

Layout

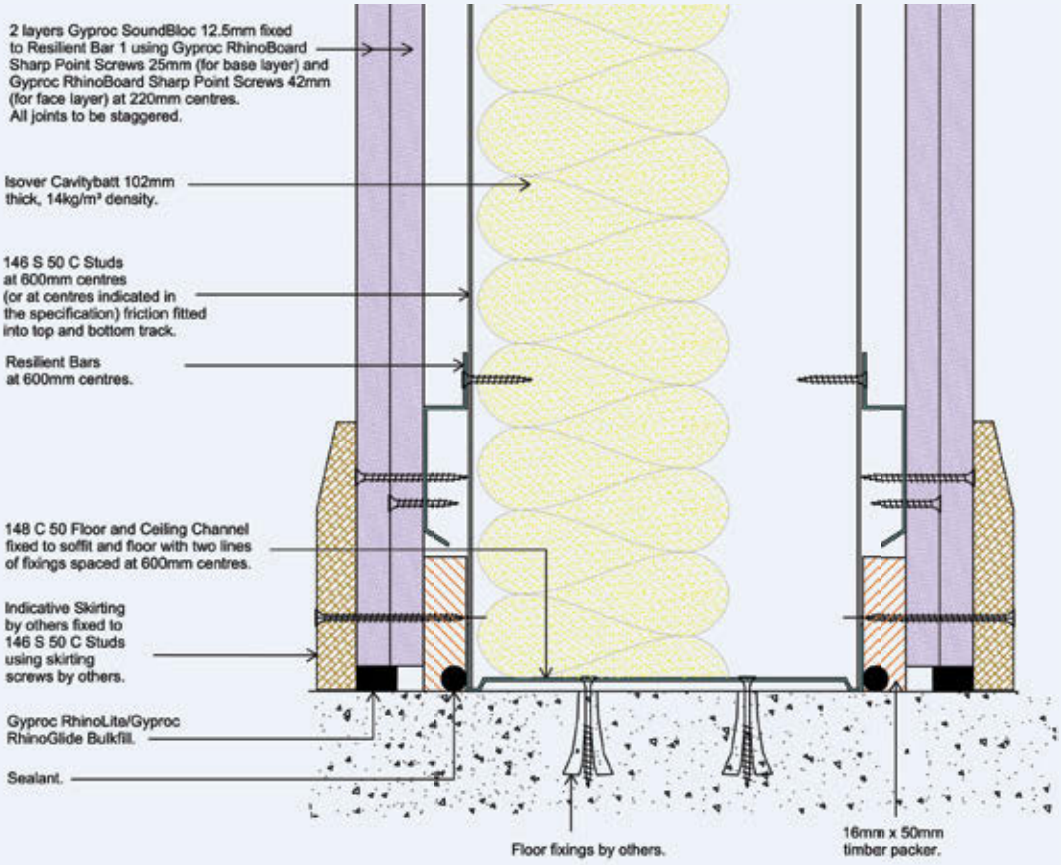


GypWall SoundBloc Plus | 146/F60S66RB2

Head detail



Base detail



GypWall SoundBloc HiSpec | 102LB/F60S70

Nominal thickness (excluding finishes): **300mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 70 (-2,-8) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: 2 x DonnFrame LB Studs 102mm x 35mm at 600mm centres. 46mm gap between frameworks.
Floor Track: 2 x DonnFrame LB Track 102mm x 25mm, each track fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. 46mm gap between frameworks.
Head Track: 2 x DonnFrame LB Track 102mm x 25mm, each track fixed with two lines of staggered fixings 50mm apart spaced at 600mm centres. 46mm gap between frameworks. Adequate support shall be provided for Head track.

Apply silicone sealant between the building structure and the framework.

Framework Bracing

Gypframe 99 FC 50 Fixing Channel at 3600mm vertical centres, fixed to the studs using two lines of two tek screws per stud fixing position.

Lining

2 layers of Gyproc SoundBloc 12.5mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: Gyproc RhinoBoard Sharp Point Screws 25mm at 220mm centres.
Screws for second lining layer: Gyproc RhinoBoard Sharp Point Screws 42mm at 220mm centres.

Cavity Insulation

Isover Cavitybatt 102mm thick 14kg/m^3 density .
Fit securely with closely butted joints, leaving no gaps.

Finishing

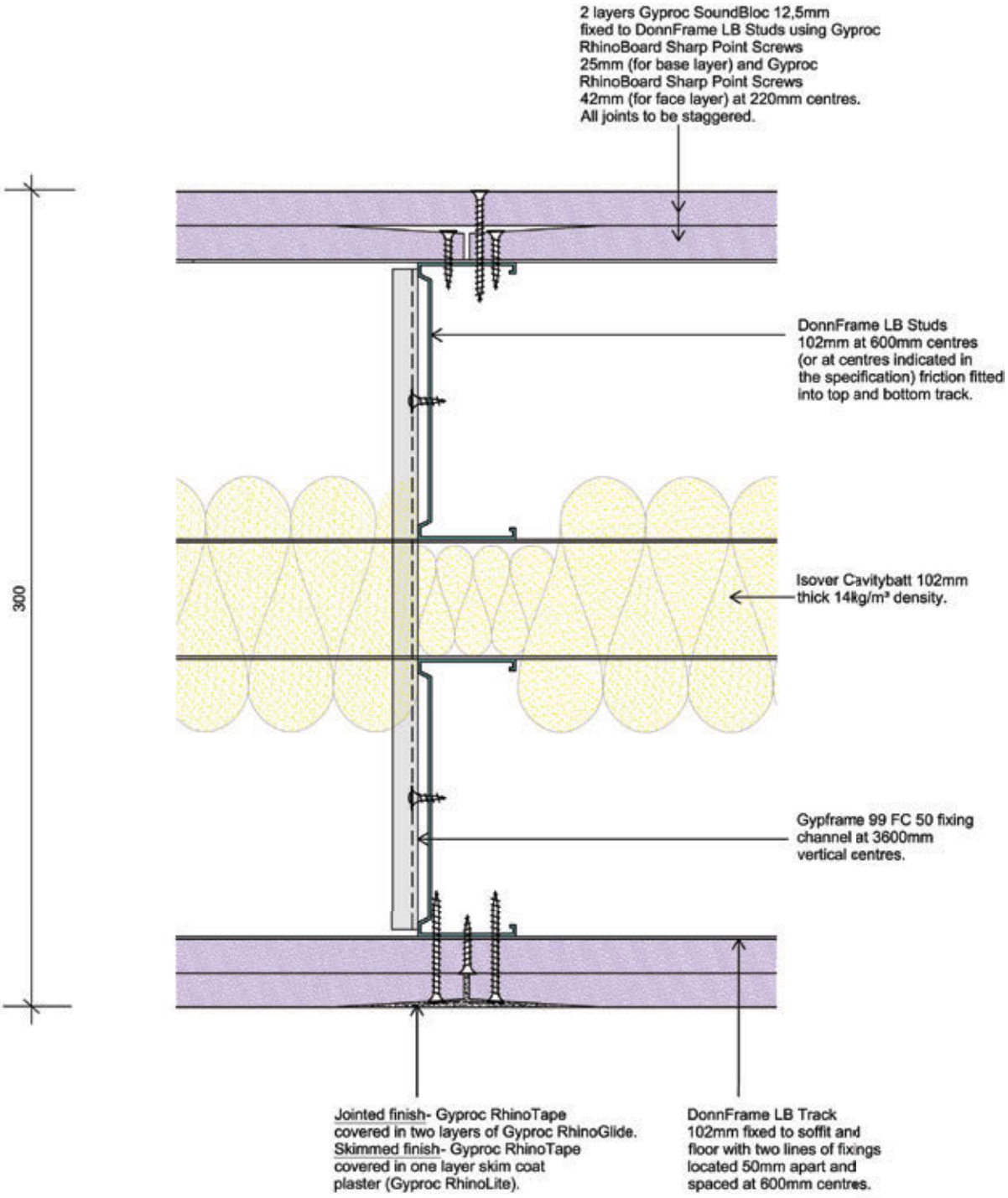
Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc Gyproc RhinoGlide/Gyproc RhinoLite.

Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint in accordance with the manufacturer's specification.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint in accordance with the manufacturer's specification.

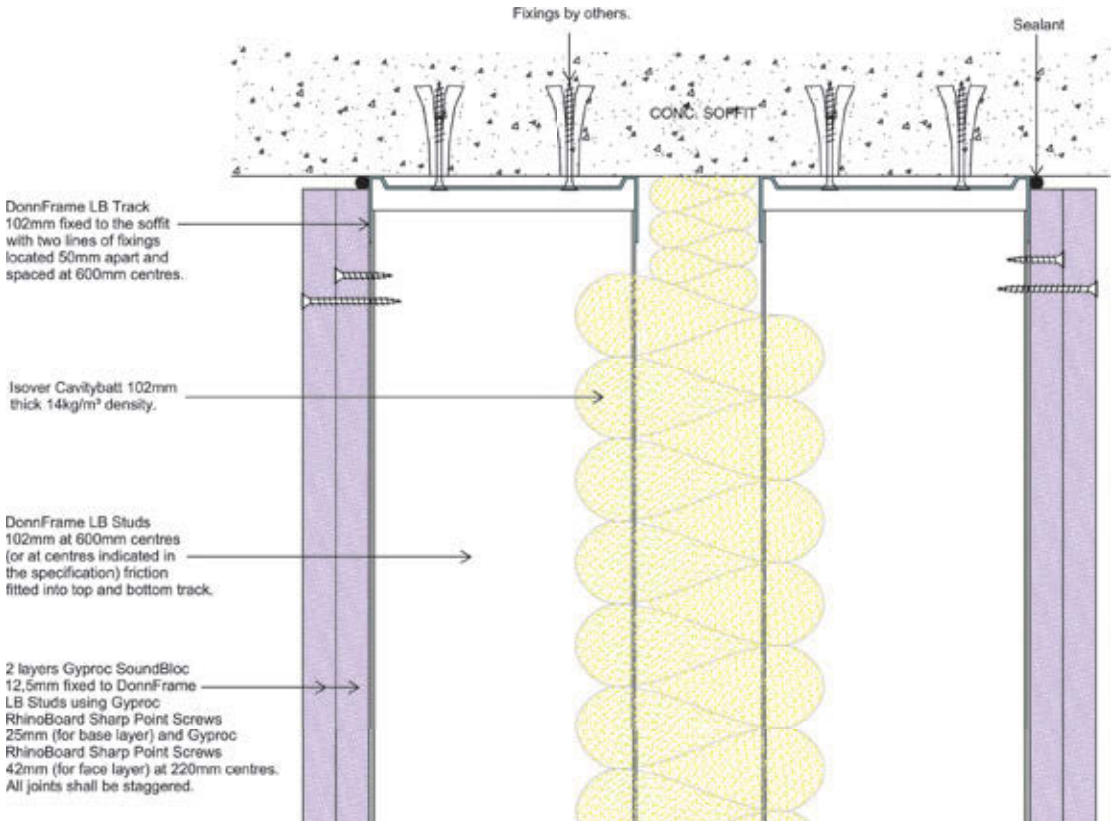
GypWall SoundBloc HiSpec | 102LB/F60S70

Layout

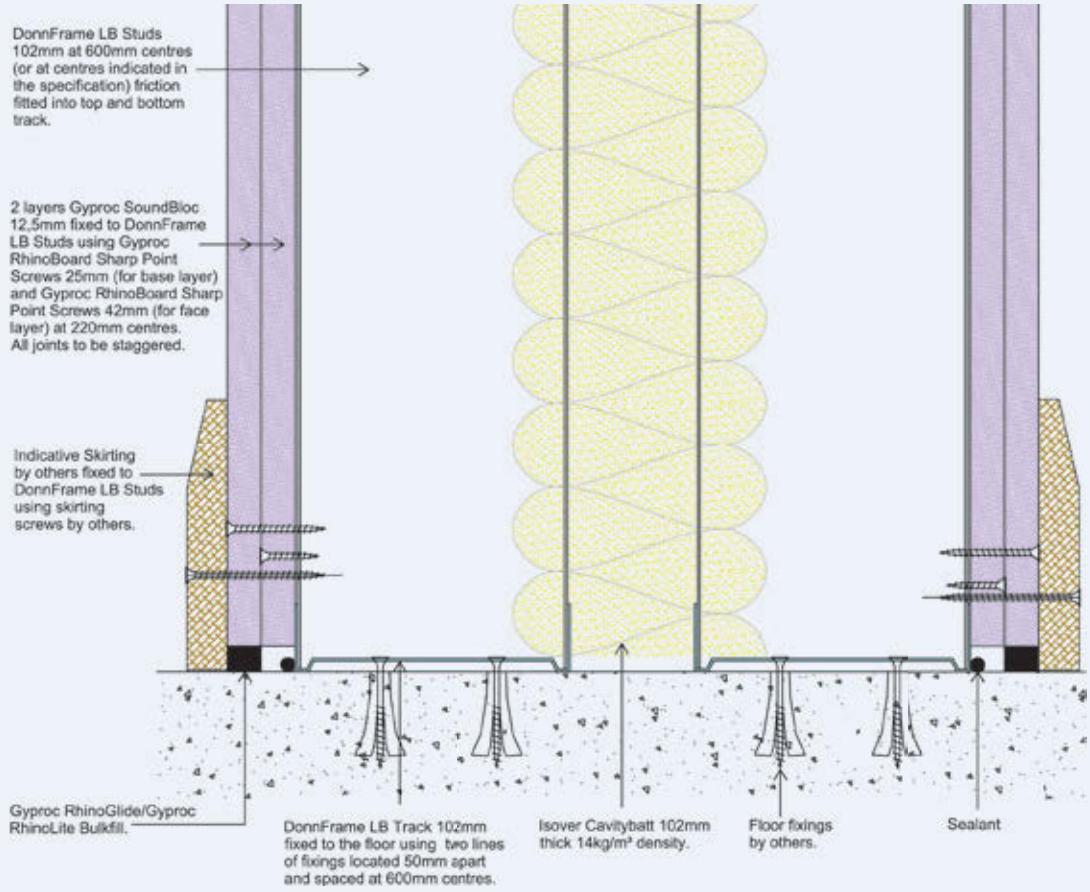


GypWall SoundBloc HiSpec | 102LB/F60S70

Head detail



Base detail




These Premises are
Monitored by a CCTV System

GypWall SoundBloc HiSpec | 102LB/F60S71

Nominal thickness (excluding finishes): **300mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 71 (-2,-7) dB

SANS 10177: Part 2: 60 minutes.

Framework

Studs: 2 x DonnFrame LB Studs 102mm x 35mm at 600mm centres. 36mm gap between frameworks.
Floor Track: 2 x DonnFrame LB Track 102mm x 25mm, each track fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. 36mm gap between frameworks.
Head Track: 2 x DonnFrame LB Track 102mm x 25mm, each track fixed with two lines of staggered fixings 50mm apart spaced at 600mm centres. 36mm gap between frameworks. Adequate support shall be provided for Head track.

Apply silicone sealant between the building structure and the framework.

Framework Bracing

Gypframe 99 FC 50 Fixing Channel at 3600mm vertical centres, fixed to the studs using two lines of two tek screws -per stud fixing position.

Lining

2 layers of Gyproc SoundBloc 15mm fixed to both sides of the framing. All joints shall be staggered.
Screws for first lining layer: Gyproc RhinoBoard Sharp Point Screws 25mm at 220mm centres.
Screws for second lining layer: Gyproc RhinoBoard Sharp Point Screws 42mm at 220mm centres.

Cavity Insulation

Isover Cavitybatt 102mm thick 14kg/m^3 density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

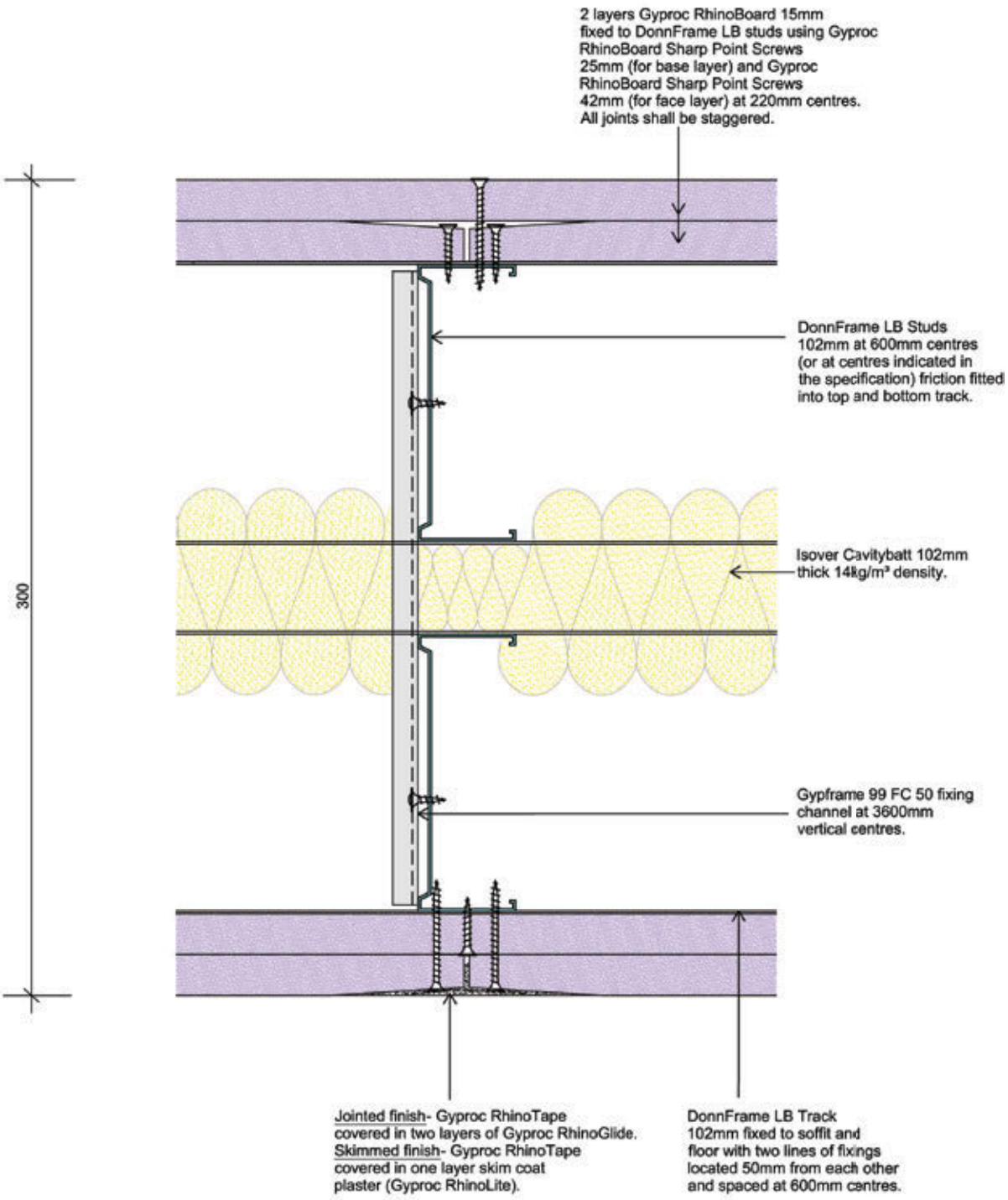
Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc Gyproc RhinoGlide/Gyproc RhinoLite.

Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide
Paint in accordance with the manufacturer's specification.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint in accordance with the manufacturer's specification.

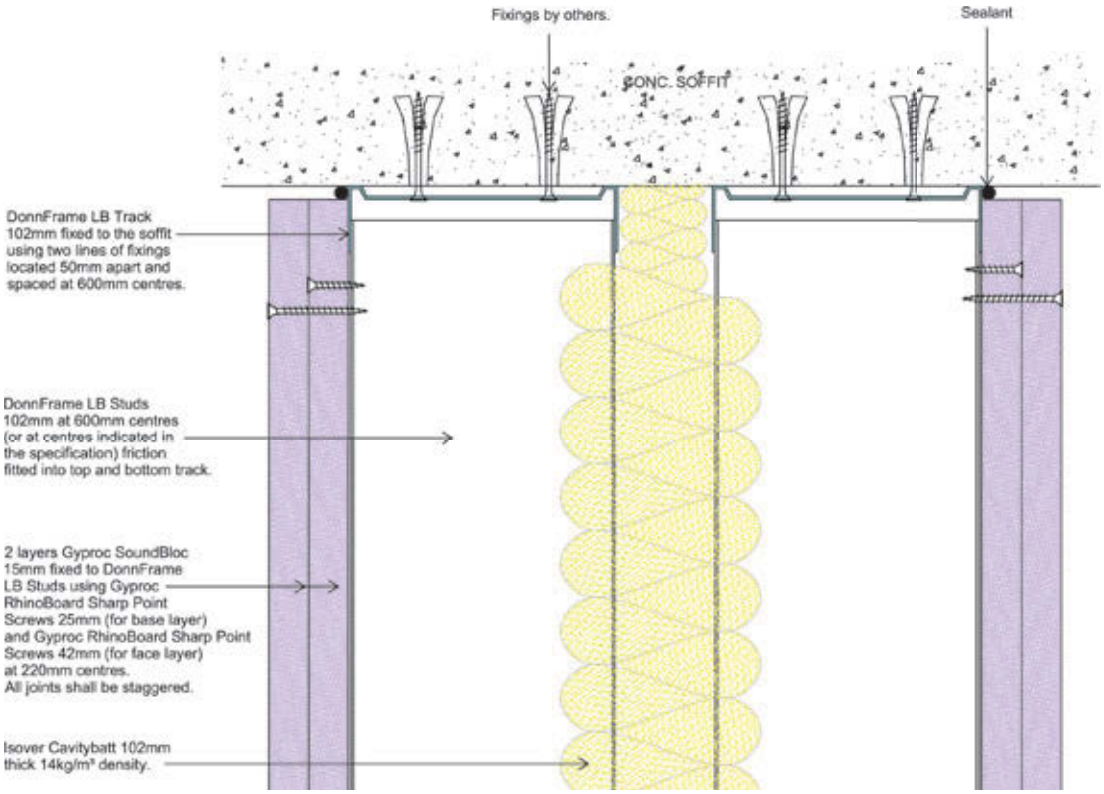
GypWall SoundBloc HiSpec | 102LB/F60S71

Layout

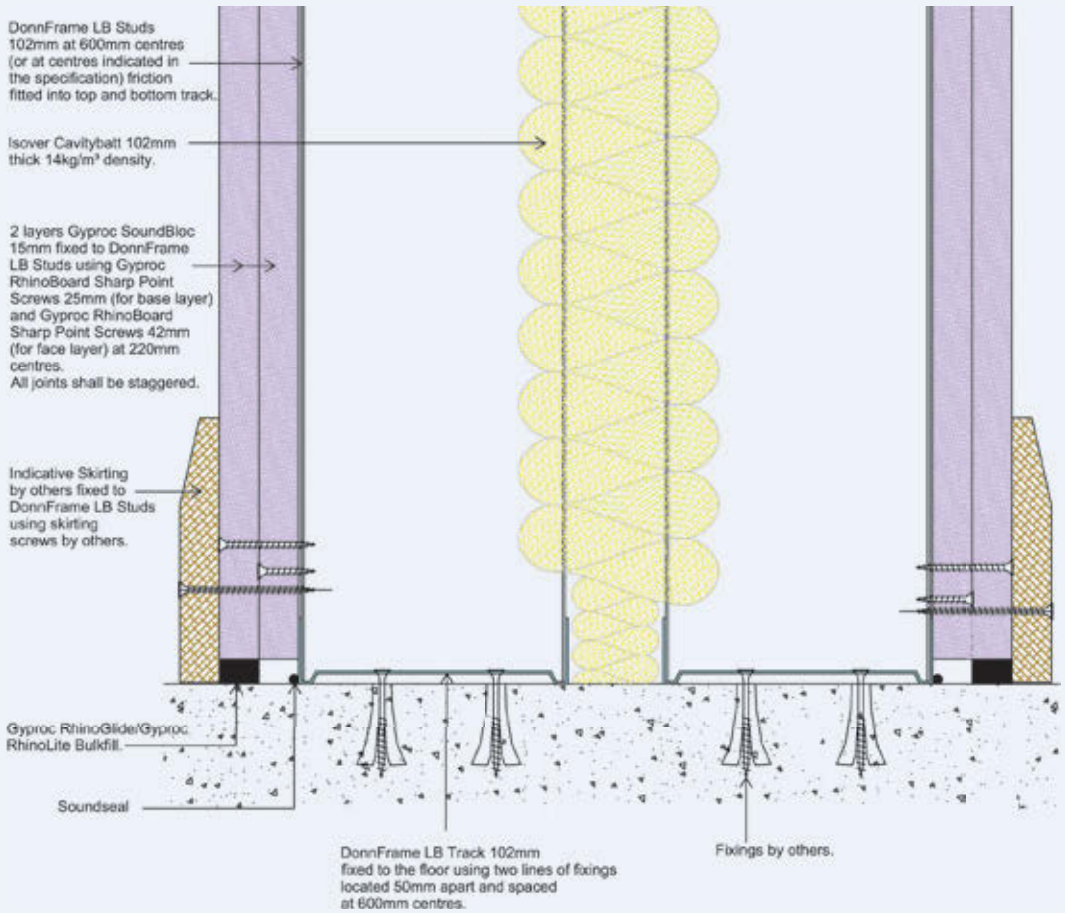


GypWall SoundBloc HiSpec | 102LB/F60S71

Head detail



Base detail



Calming work environments

In an office, good acoustics are important to ensure a quieter environment. Gyproc SoundBloc can substantially decrease sound transmitted through walls. Calmer working environments can help with less turnover and fewer expenses associated with staff churn.

BENEFITS FOR OFFICES

- **Minimises noise between rooms**
- **Increases harmony in the office**
- **Reduces the stresses of noise pollution**

GypWall SoundBloc HiSpec | 102LB/F180S75

Nominal thickness (excluding finishes): **550mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 75(-2,-6) dB

BS EN 1364-1:1999: 180min

Framework

Studs: 2 x Donn Frame LB Studs 102mm at 600mm centres. 256mm gap between frameworks.
Floor Track: 2 x DonnFrame LB Tack 102mm x 25mm fixed with two lines of staggered fixings, 50mm apart and spaced at 600mm centres. 256mm gap between frameworks.
Head Track: 2 x DonnFrame LB track 102mm x 25mm fixed with two lines of staggered fixings, 50mm apart and spaced at 600mm centres. 256mm gap between frameworks. Adequate support shall be provided for Head track.

Apply silicone sealant between the building structure and the drywall framework.

Framework Bracing:

Gypframe 99 FC 50 Fixing Channel at 3600mm centres fixed to studs using two lines of two tek screws per stud.

Lining

3 layers of Gyproc SoundBloc 15mm fixed to both sides of framing using drywall streaker screws. All joints shall be staggered.
Screws for first lining layer: RhinoBoard Sharp Point Screws 25mm at 220mm.
Screws for second lining layer: RhinoBoard Sharp Point Screws 42mm at 220mm centres.
Screws for third lining layer: RhinoBoard Sharp Point Screws 60mm at 220mm centres.

Cavity Insulation

1 x Isover Cavityroll 100mm thick, 14kg/m^3 density fixed to the soffit using Donn Galvanised Steel Angle 25mm x 25mm.
Fit insulation securely with closely butted joints, leaving no gaps.

Finishing

Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc RhinoGlide.

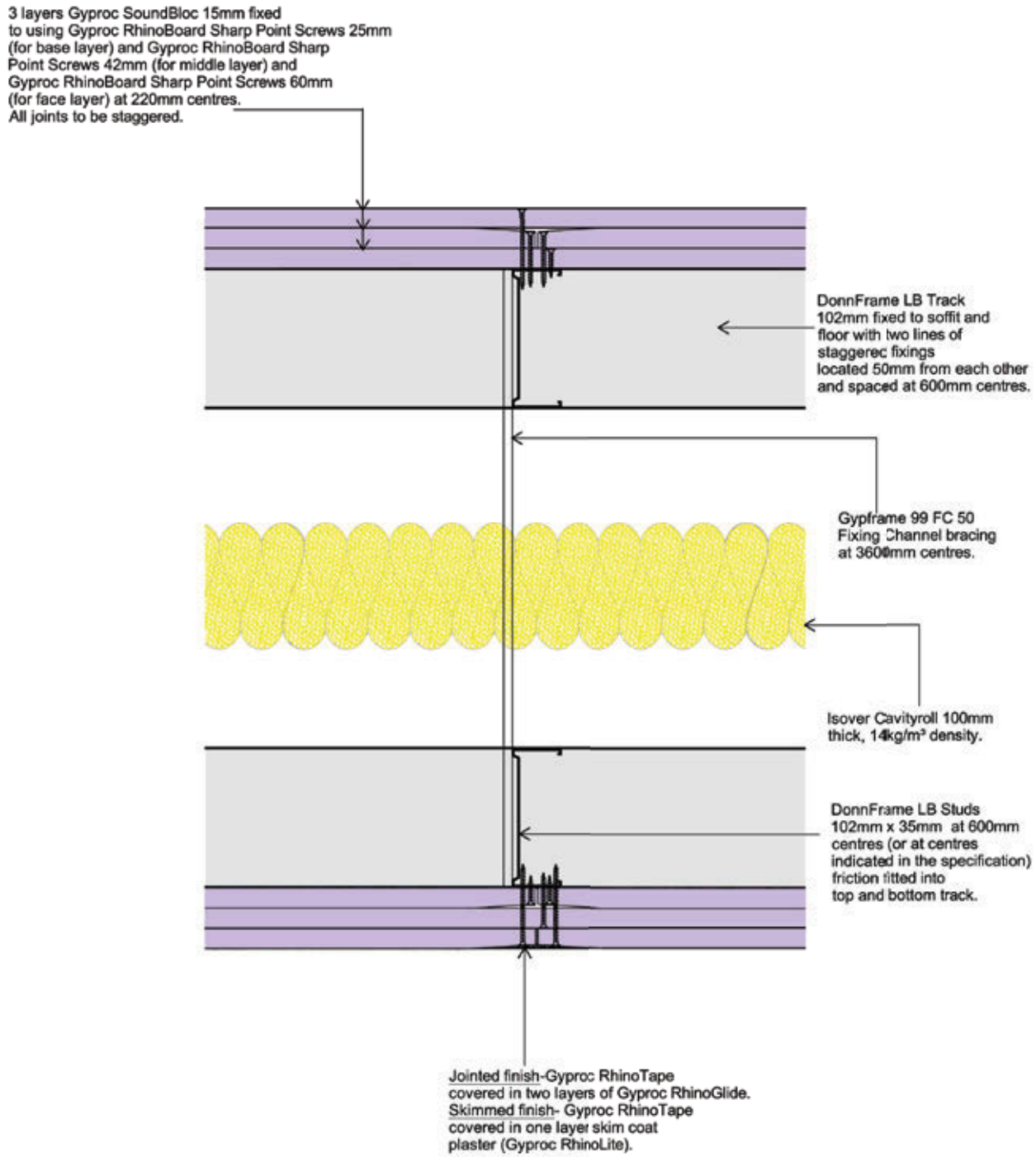
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Install Donn Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint as per manufacturer's specifications.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Install Donn Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint as per manufacturer's specifications.

NB To be read with Drywall Guidelines and Drywall Finishings documents

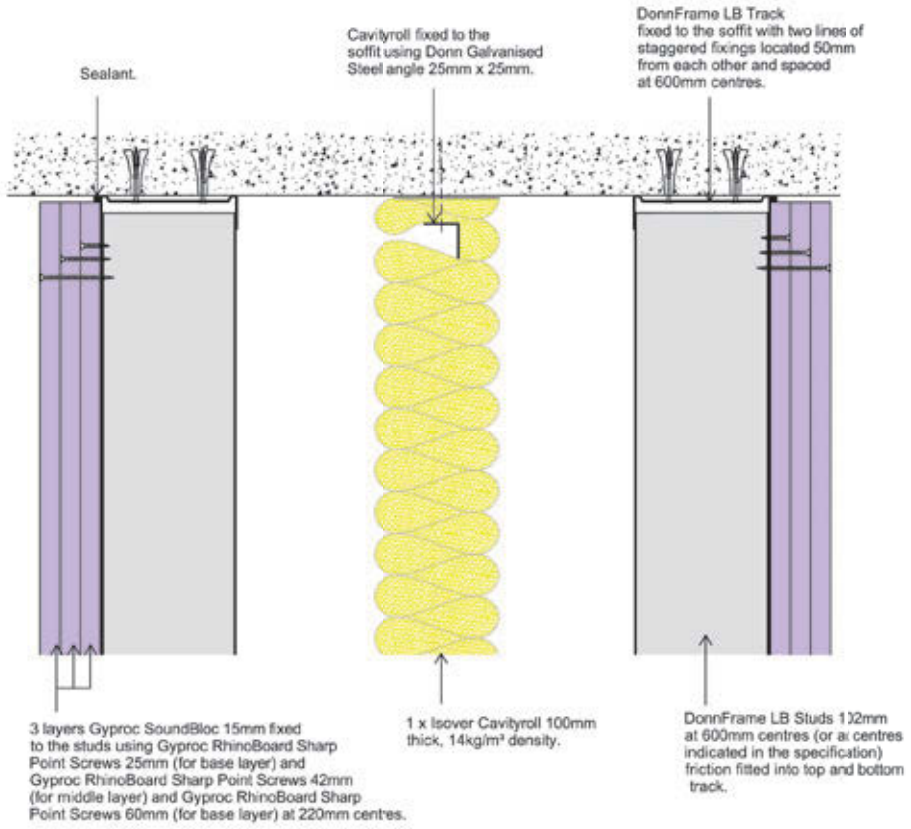
GypWall SoundBloc HiSpec | 102LB/F180S75

Layout

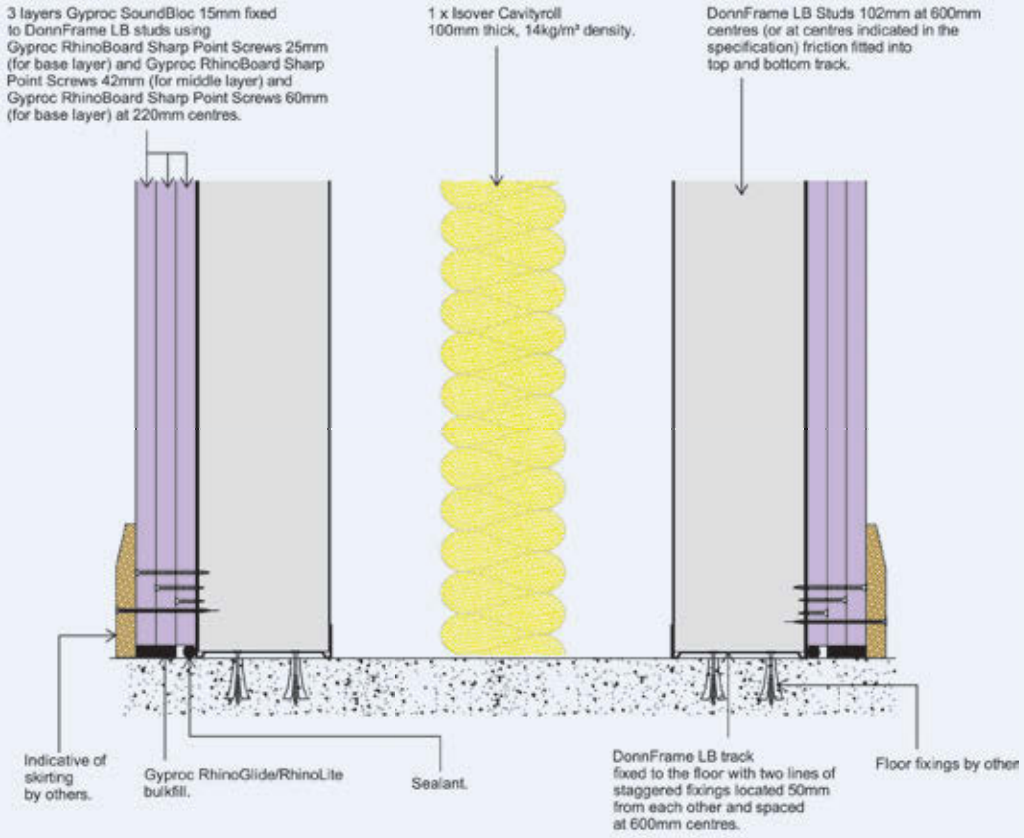


GypWall SoundBloc HiSpec | 102LB/F180S75

Head detail



Base detail



GypWall SoundBloc HiSpec | 102LB/F180S81

Nominal thickness (excluding finishes): **800mm**

Performance criteria

BS EN ISO 140-3:1995 : Rw (C, Ctr) = 81(-3,-8) dB

BS EN 1364-1:1999: 180min

Framework

Studs: 2 x DonnFrame LB Studs 102mm at 600mm centres. 506mm gap between frameworks.
Floor Track: 2 x DonnFrame LB Track 102mm x 25mm fixed with two lines of staggered fixings, 50mm apart and spaced at 600mm centres. 506mm gap between frameworks.
Head Track: 2 x DonnFrame LB Track 102mm x 25mm fixed with two lines of staggered fixings, 50mm apart and spaced at 600mm centres. 506mm gap between frameworks. Adequate support shall be provided for Head track.

Apply sealant between the building structure and the drywall framework.

Lining

3 layers of Gyproc SoundBloc 15mm fixed to both sides of framing using drywall streaker screws. All joints shall be staggered.
Screws for first lining layer: RhinoBoard Sharp Point Screws 25mm at 220mm.
Screws for second lining layer: RhinoBoard Sharp Point Screws 41mm at 220mm.
Screws for third lining layer: RhinoBoard Sharp Point Screws 60mm at 220mm.

Cavity Insulation

3 x Isover Cavityroll 100mm thick, 14kg/m^3 density.
4 x Isover Energylite 50mm thick, 64kg/m^3 density.
Fit insulation securely with closely butted joints, leaving no gaps.

Finishing

Bulkfill the gap at the base of the drywall and any gaps exceeding 5mm using Gyproc RhinoGlide.

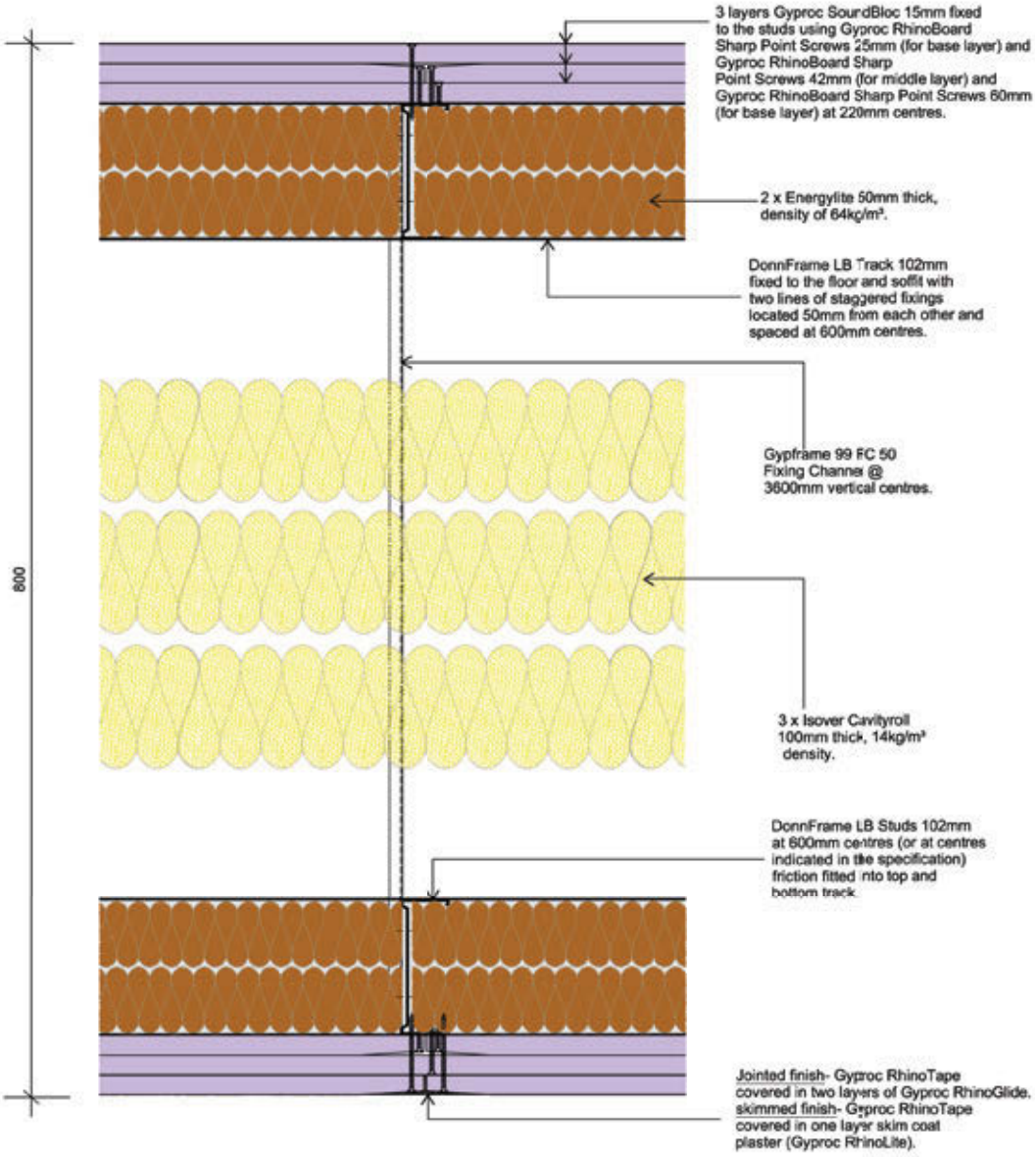
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Corner bead embed in Gyproc RhinoGlide plaster to all external corners.
Jointed Finish: Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint as per manufacturer's specifications.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Corner bead embed in Gyproc RhinoLite plaster to all external corners.
Skimmed Finish: Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using Gyproc RhinoLite.
Paint as per manufacturer's specifications.

NB To be read with Drywall Guidelines and Drywall Finishings documents

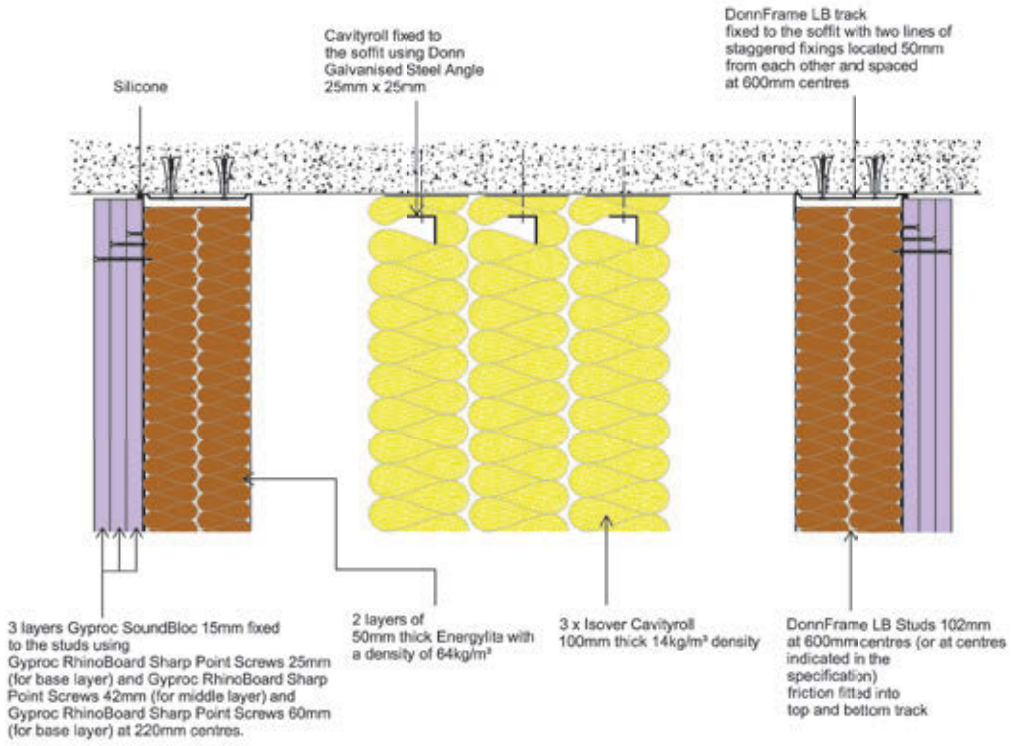
GypWall SoundBloc HiSpec Illustration | 102LB/F180S81

Layout

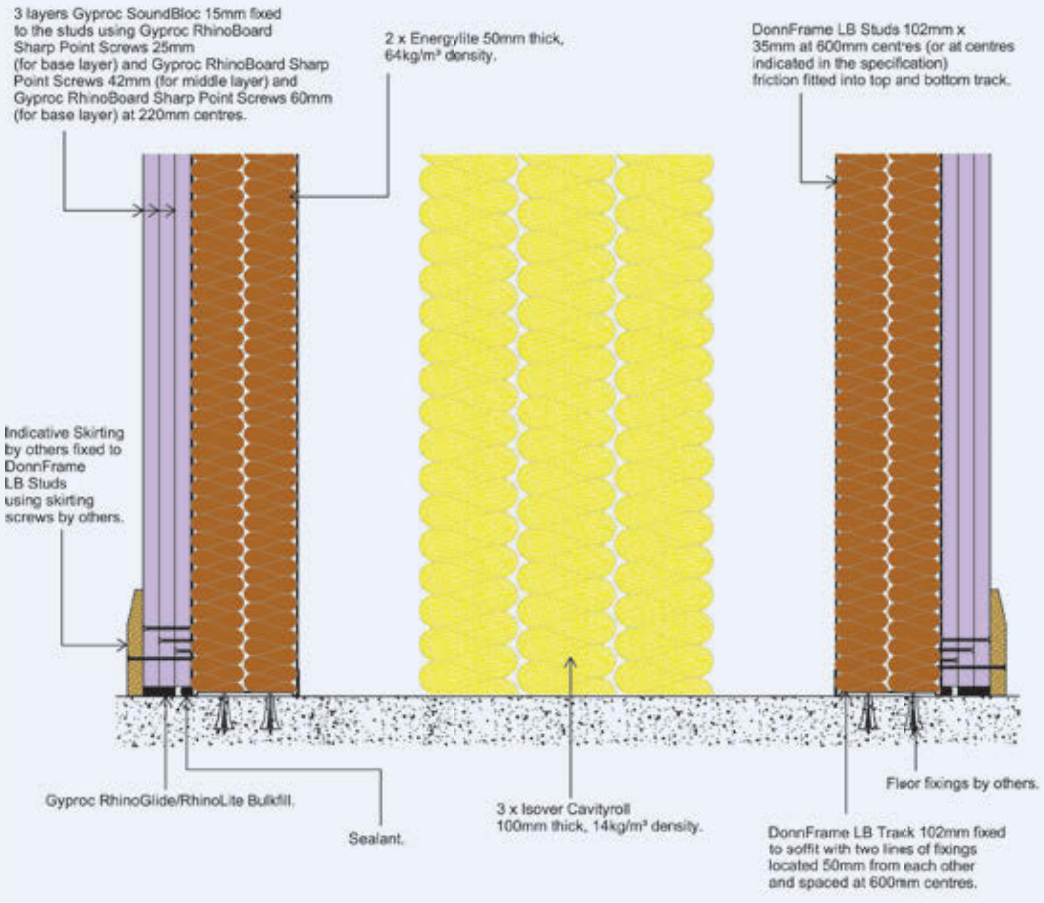


GypWall SoundBloc Illustration | 102LB/F180S81

Head detail



Base detail



GypWall SoundBloc installation guide

Determine and mark wall position and make allowance for openings. Fix DonnFrame Load Bearing Track at 600mm centres using suitable fixings.

Measure the wall height and cut the DonnFrame Load Bearing Stud to size. Install the stud into the track.

Twist the DonnFrame Load Bearing Stud into place.

Ensure the stud is plumb and mark stud position.

Fix the DonnFrame Load Bearing Stud to the abutting wall at 600mm centres using suitable fixings.

Insert top DonnFrame Load Bearing Stud into position.

Fasten the top DonnFrame Load Bearing Track at 600mm centres using suitable fixings.

Insert DonnFrame Load Bearing Studs at 600mm centres to a friction fit within the channel sections-this allows for adjustment during boarding. Position the studs so all face the same direction. Apply sealant between the building structure and the framework.

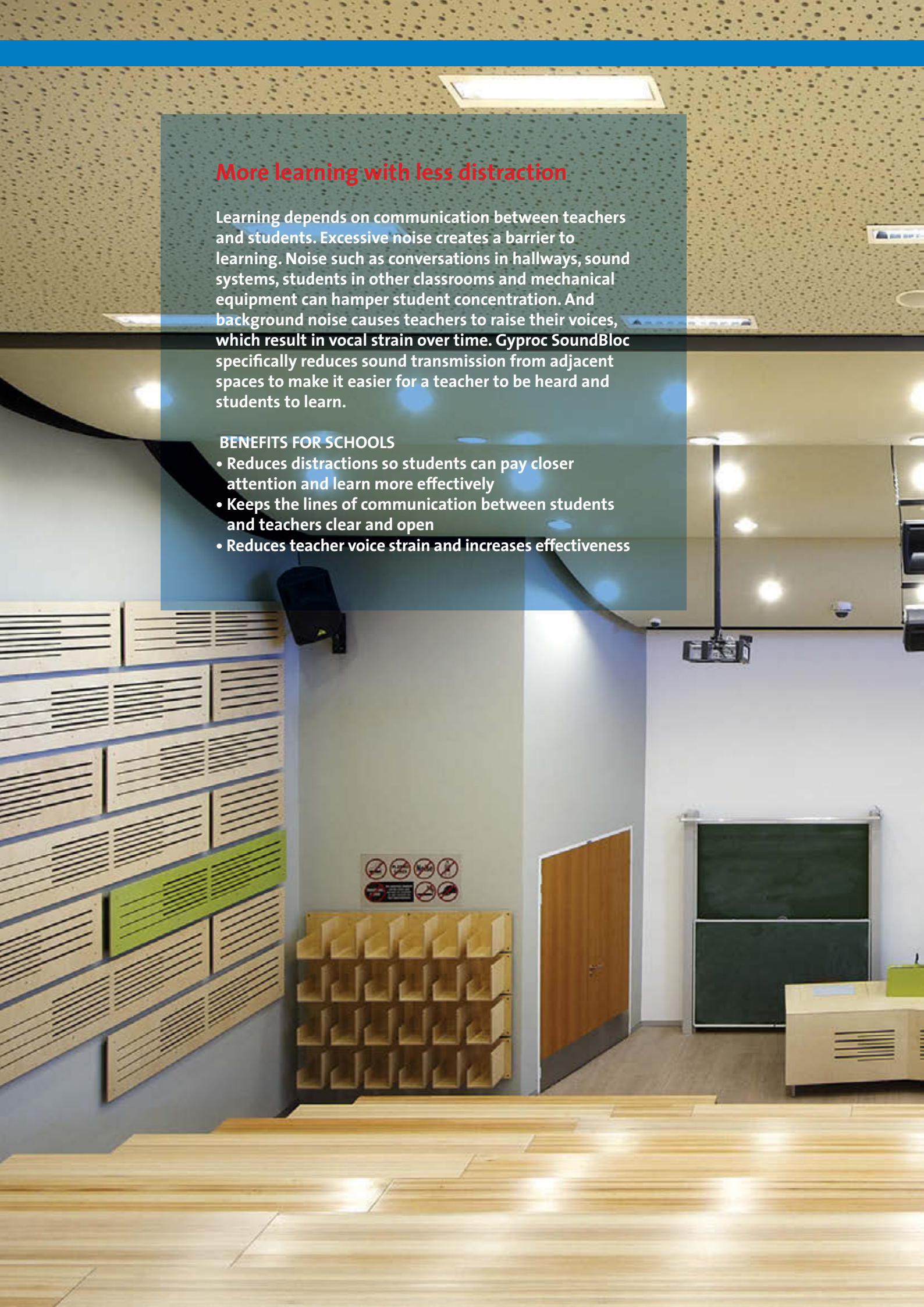
Fix Gyproc SoundBloc to the studs using Gyproc Sharp Point Screws 25mm.

Install Isover Cavitybatt as boarding commences.

After the boarding is complete, apply Gyproc RhinoTape to all joints.

Apply Gyproc RhinoGlide to the joints using a 150mm taping knife.

Fill all screw heads and apply a second layer of RhinoGlide using 300mm steel trowel.



More learning with less distraction

Learning depends on communication between teachers and students. Excessive noise creates a barrier to learning. Noise such as conversations in hallways, sound systems, students in other classrooms and mechanical equipment can hamper student concentration. And background noise causes teachers to raise their voices, which result in vocal strain over time. Gyproc SoundBloc specifically reduces sound transmission from adjacent spaces to make it easier for a teacher to be heard and students to learn.

BENEFITS FOR SCHOOLS

- Reduces distractions so students can pay closer attention and learn more effectively
- Keeps the lines of communication between students and teachers clear and open
- Reduces teacher voice strain and increases effectiveness


EXIT

Saint-Gobain Gyproc SpecSure system warranty

Unique to Saint-Gobain Gyproc South Africa, the 10 year system warranty is designed to give you total confidence that the systems you have chosen will meet the most rigorous of building requirements.

All of our systems are developed using the highest quality components designed to work together, and are specifically developed to give you a lifetime of confidence.

SpecSure is more than just a performance warranty. It means that the Saint-Gobain Gyproc systems you specify:

- Have a guaranteed 10 year performance.
- Have the technical expertise and experience of the SA's leading construction products specialist behind it.
- Have been tested in accredited fire, acoustic and structural test laboratories.
- Have been site tested to demonstrate installation integrity and simplicity.
- Will be supported at every stage of the project by SA's leading on and off-site technical support personnel.
- Will perform to published parameters if installed in accordance to our specifications.
- Will be repaired or replaced by Saint-Gobain Gyproc in the unlikely event of system failure attributed to unsatisfactory product/system performance.
- Project Packs offer technical guidance and compliance to the building methodology prescribed which will ensure optimal system performance.

Customer contact centre:
0860 27 28 29 | www.gyproc.co.za

SAINT-GOBAIN