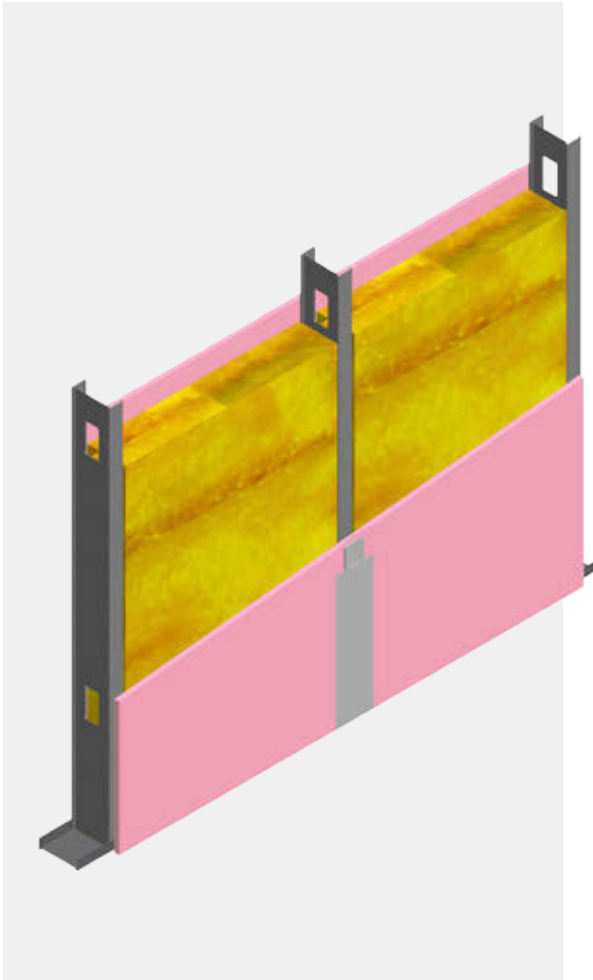


GYPWALL FIRESTOP

Is a non-load bearing high performance fire resistance system providing a fire rating of up to 60 minutes. Used in retail environments, storage areas and residential applications.

**KEY FACTS**

- Minimal wall thickness with optimal fire resistance
- Tested in accordance to SANS 10177:2
- Accommodates service within the drywall cavity
- Lightweight alternative to traditional constructions
- UltraSTEEL™ framework will not twist or warp
- Less material wastage, cleaner site conditions
- Environmentally friendly products



SANS 10177: Part 2: 60 minutes



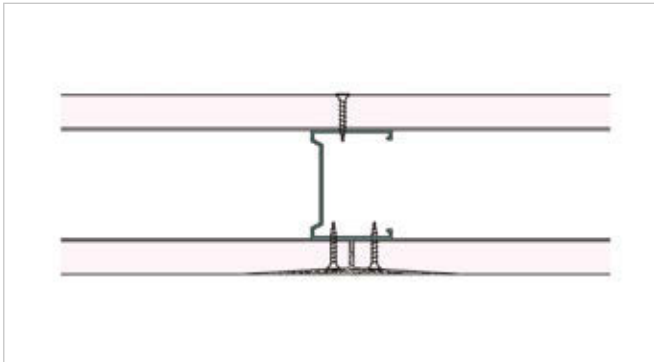
Rw 42dB to Rw 52dB

APPLICATIONS

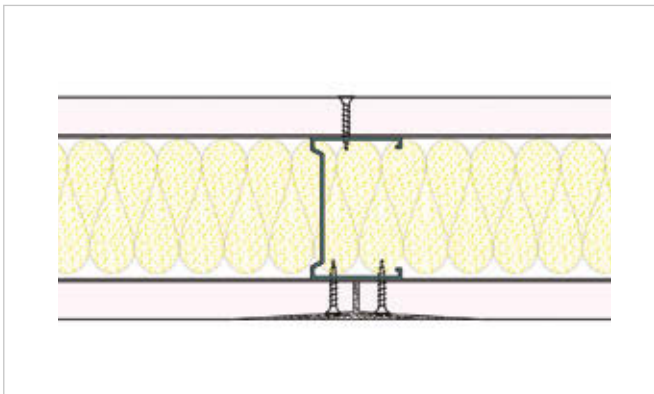
A wide range of applications

SECTOR

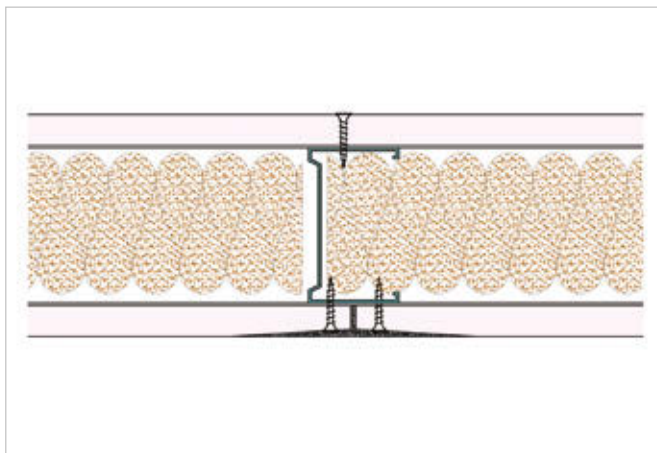
All sectors

GYPWALL FIRESTOP 51/F60S42**SPECIFICATION**

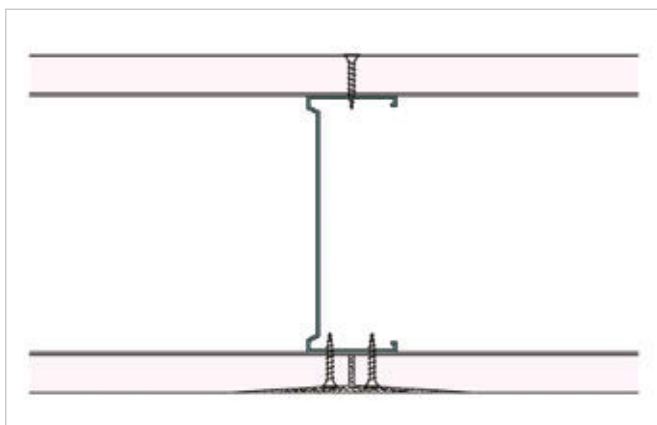
1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 51mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 51mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.

GYPWALL FIRESTOP 51/F60S49**SPECIFICATION**

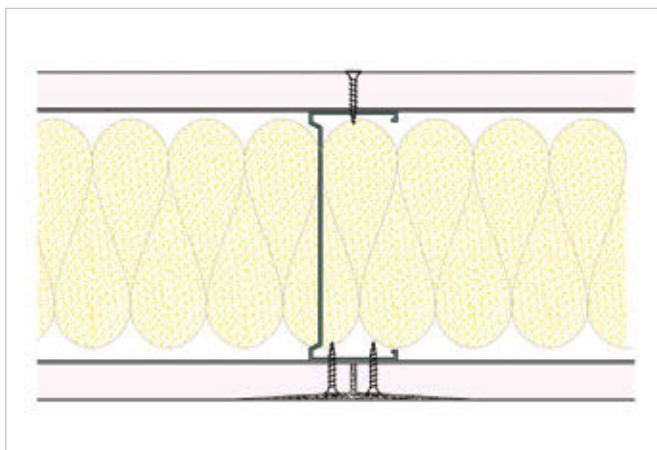
1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 51mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 51mm x 25mm at 600mm centres. Install Isover Cavitybatt, 63mm thick, 14kg/m³ density in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.

GYPWALL FIRESTOP 63/F60**SPECIFICATION**

1 layer Gyproc FireStop 12.5mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 12.5mm with Gyproc MoistureResistant 12.5mm. Framework consisting of Donn Ultra STEEL™ Studs 63.5mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 63.5mm x 25mm at 600mm centres. Install Isover U-Thermo Board 6, 50mm thick insulation in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.

GYPWALL FIRESTOP 102/F60S45**SPECIFICATION**

1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 102mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.

GYPWALL FIRESTOP 102/F60S52**SPECIFICATION**

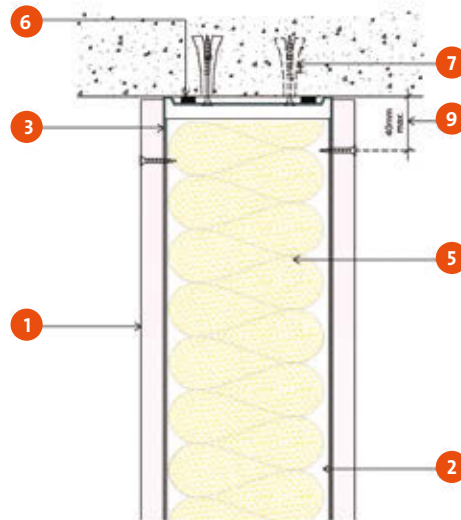
1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diam x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 102mm x 25mm at 600mm centres. Install Isover Cavitybatt, 102mm thick, 14kg/m density in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.

	System	Stud size (mm)	Lining Thickness on both sides of the framework (mm)	Cavity Insulation	Fire rating (min)	Sound Rating (Rw_dB)	Nominal thickness (mm)	Maximum allowable height ¹ Stud spacing (mm)		
								600	400	300
1	GypWall FireStop 51/F60S42	51	1 x 15	-	60	42	81	2900	3100	3400
2	GypWall FireStop 51/F60S49	51	1 x 15	Isover Cavitybatt 63mm	60	49	81	2900	3100	3400
3	GypWall FireStop 63/F60	63.5	1 x 12.5	Isover U-Thermo Board 6-50mm	60	-	89	3100	3500	3800
4	GypWall FireStop 102/F60S45	102	1 x 15	-	60	45	132	4700	5100	5400
5	GypWall FireStop 102/F60S52	102	1 x 15	Isover Cavitybatt 102mm	60	52	132	4700	5100	5400

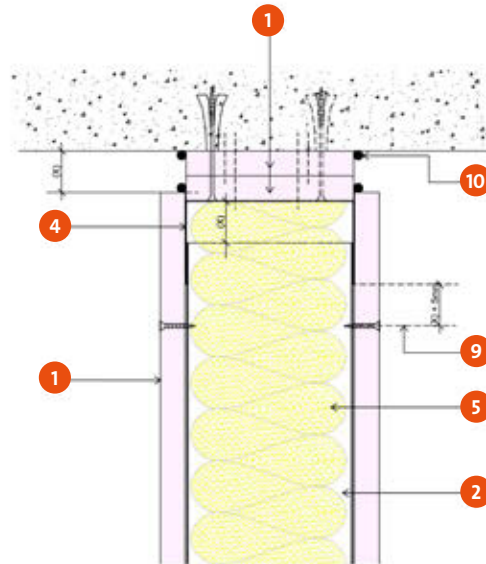
¹Based on limiting deflection of L/240 at 200Pa.

(NB). The fire resistance and sound insulation performances are for imperforate drywall incorporating boards with joints tapped and filled, or skimmed to Gyproc recommendations. The quoted performances are achieved if only Gyproc components and fixings recommendations are adhered to through out. Any variation in the specification should be checked with Gyproc Saint-Gobain Technical and Specification.

HEAD DETAILS

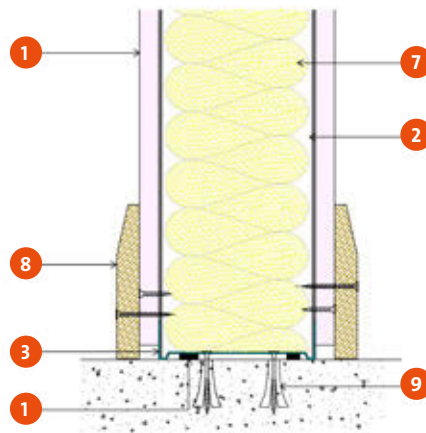
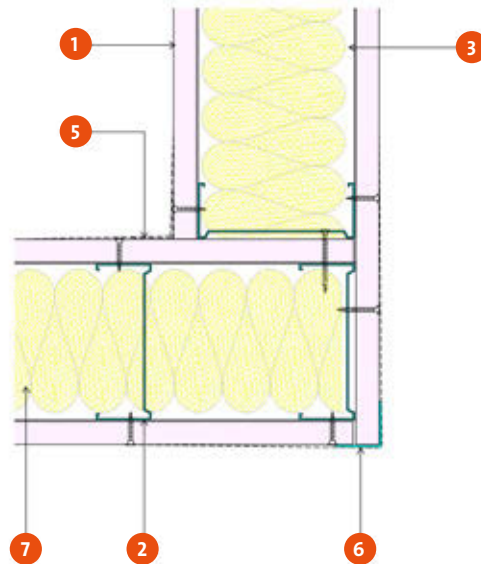


DEFLECTION HEAD DETAIL



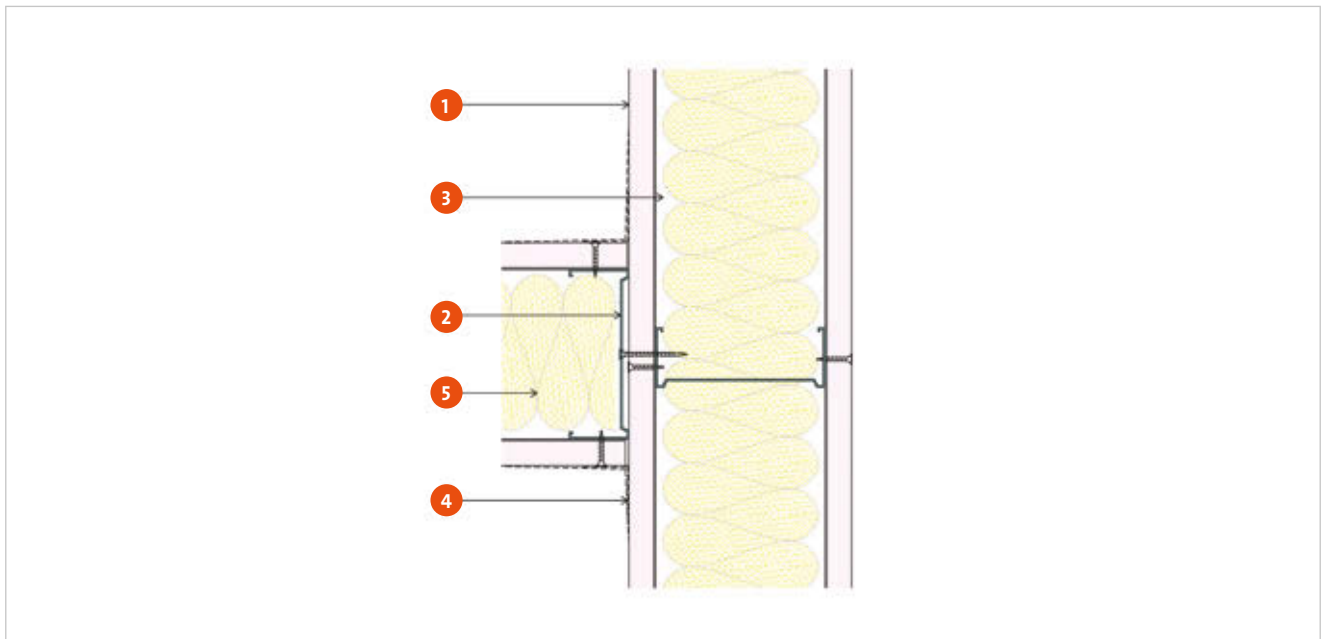
KEY

- | | |
|--|-----------------------------|
| 1. Gyproc FireStop | 6. SoundSeal |
| 2. Donn UltraSTEEL™ Stud | 7. Fixings - by others |
| 3. Donn UltraSTEEL™ Track | 8. Top most screw |
| 4. Donn Deep Track 63.5mm/102mm | 9. Fire Sealant - by others |
| 5. Isover Cavitybatt/ Isover U-Thermo Board 6 (where applicable) | X = Deflection allowance |

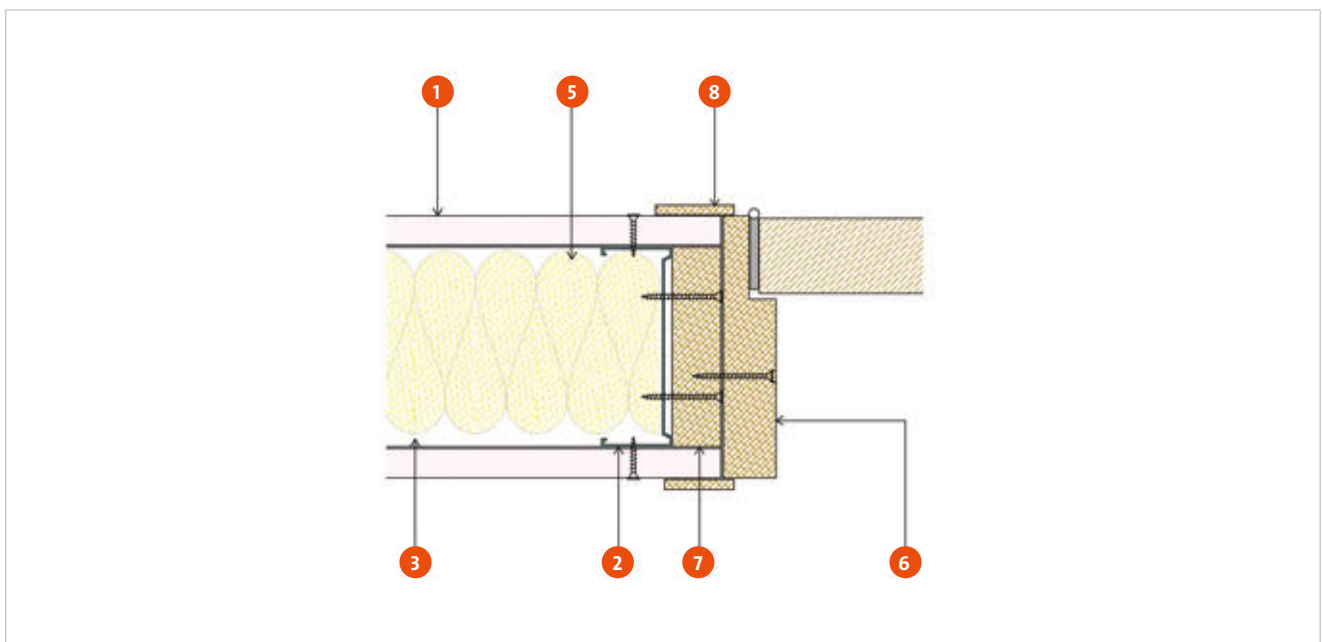
BASE DETAIL**CORNER DETAIL****KEY**

- | | |
|---------------------------|--|
| 1. Gyproc FireStop | 6. Donn Corner Bead |
| 2. Donn UltraSTEEL™ Stud | 7. Isover Cavitybatt/Isover U-Thermo Board 6 (where applicable) |
| 3. Donn UltraSTEEL™ Track | 8. Skirting fixed to drywall using skirting screws or an adhesive. |
| 4. SoundSeal | 9. Fixings – by others |
| 5. Gyproc RhinoTape | |

T-JUNCTION DETAIL



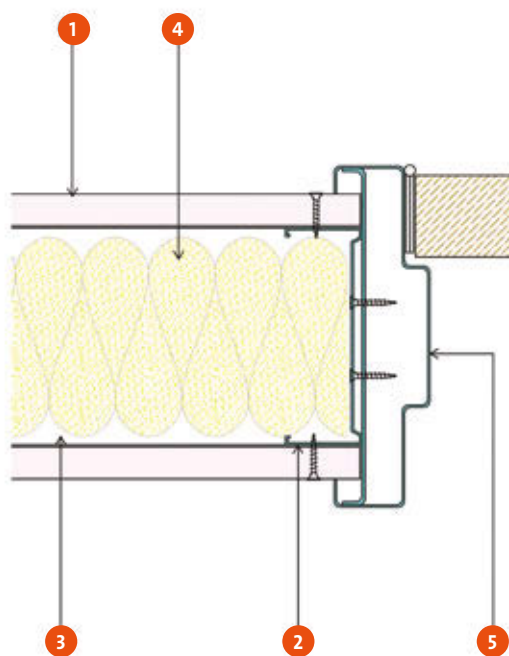
TIMBER DOOR FRAME DETAIL



KEY

- | | |
|---------------------------|---|
| 1. Gyproc FireStop | 5. Isover Cavitybatt/Isover U-Thermo Board 6 (where applicable) |
| 2. Donn UltraSTEEL™ Stud | 6. Timber door frame |
| 3. Donn UltraSTEEL™ Track | 7. Timber grounding |
| 4. Gyproc RhinoTape | 8. Architrave |

STEEL DOOR FRAME DETAIL

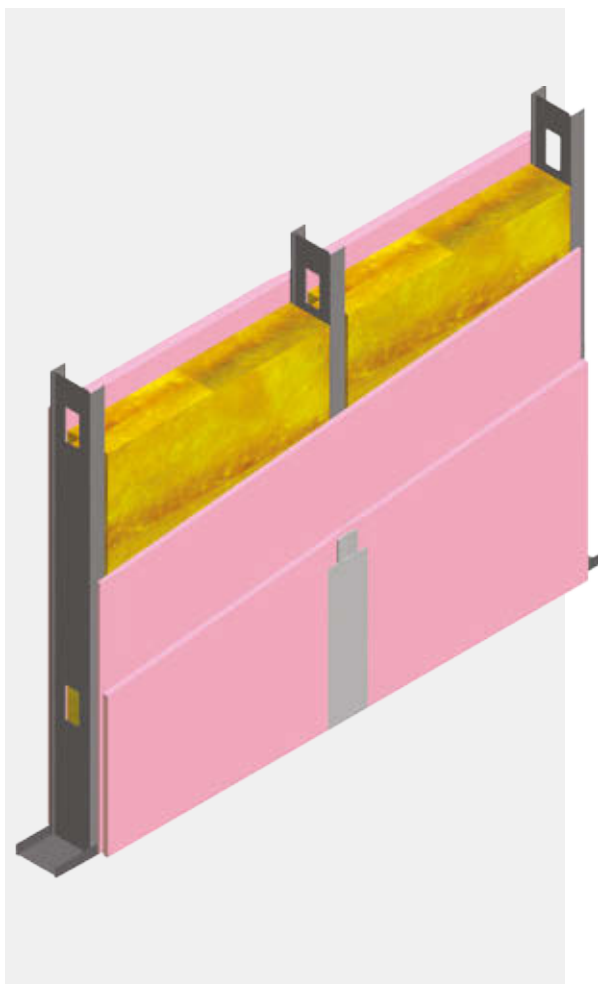


KEY

- | | |
|---------------------------|---|
| 1. Gyproc FireStop | 4. Isover Cavitybatt/Isover U-Thermo Board 6 (where applicable) |
| 2. Donn UltraSTEEL™ Stud | 5. Steel door frame 135mm |
| 3. Donn UltraSTEEL™ Track | |

GYPWALL FIRESTOP HISPEC

Is a non load bearing high performance fire resistance system providing a fire rating of up to 120 minutes. Used in retail environments, storage areas and residential applications.

**KEY FACTS**

- Minimal wall thickness with optimal fire resistance
- Tested in accordance to SANS 10177:2
- Accommodates service within the drywall cavity
- Lightweight alternative to traditional construction
- UltraSTEEL™ framework will not twist or warp
- Less material wastage, cleaner site conditions
- Environmentally friendly products



SANS 10177: Part 2: 120 minutes



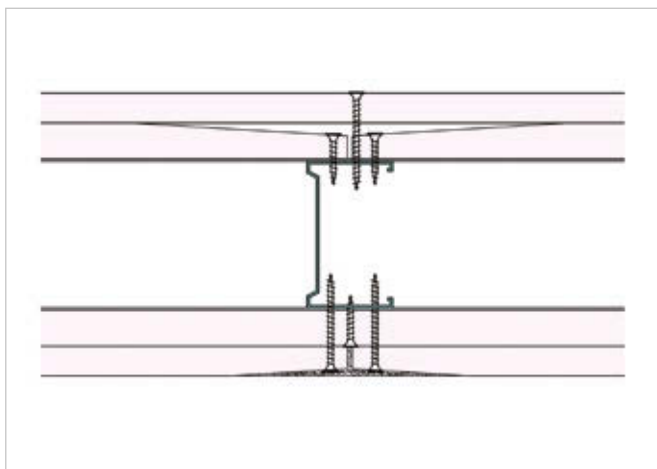
Rw 50dB to Rw 55dB

APPLICATIONS

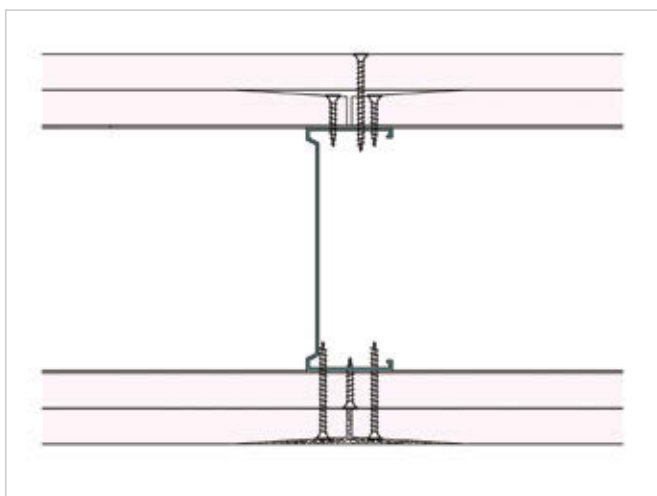
A wide range of applications

SECTOR

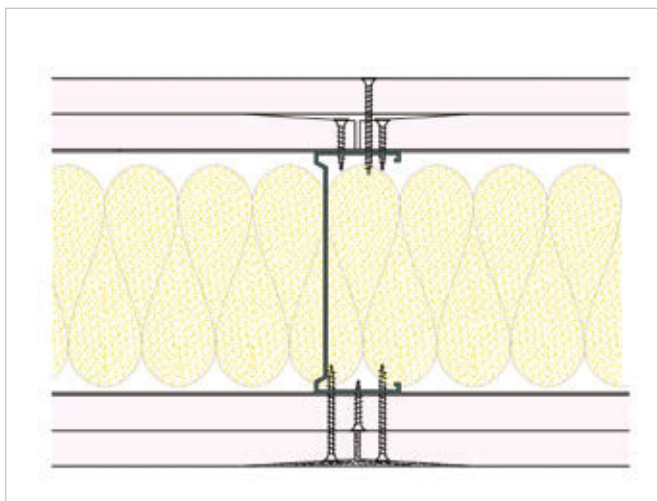
All sectors

GYPWALL FIRESTOP HISPEC 63/F120S50**SPECIFICATION**

2 layers Gyproc FireStop fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. Base layer consisting of Gyproc FireStop 15mm and face layer consisting of Gyproc FireStop 12.5mm. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 12.5mm with Gyproc MoistureResistant 12.5mm. Framework consisting of Donn UltraSTEEL™ Studs 63.5mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 63.5mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.

GYPWALL FIRESTOP HISPEC 102/F120S52**SPECIFICATION**

2 layers Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 102mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.

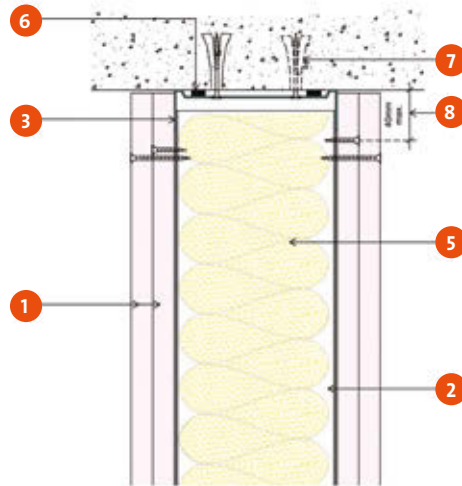
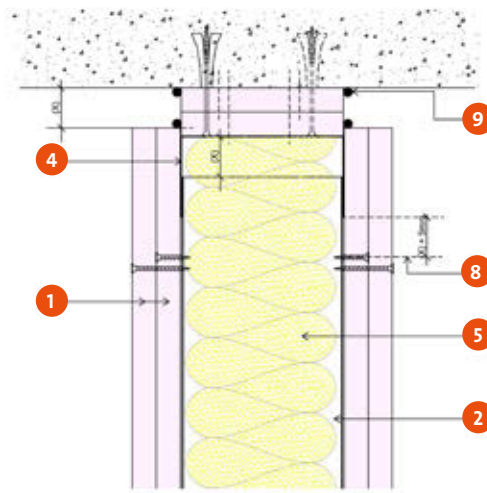
GYPWALL FIRESTOP HISPEC 102/F120S55**SPECIFICATION**

2 layers Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 102mm x 25mm at 600mm centres. Install Isover Cavitybatt, 102mm thick, 14kg/m² density, in the cavity. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.

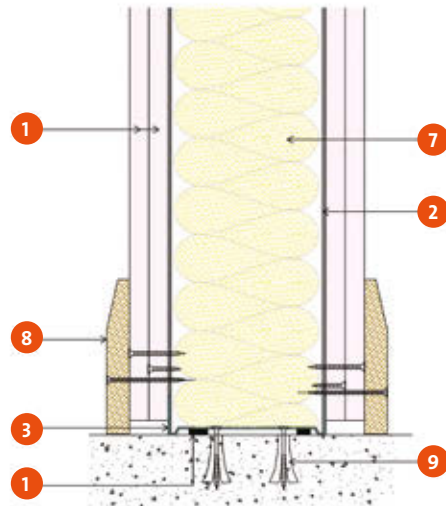
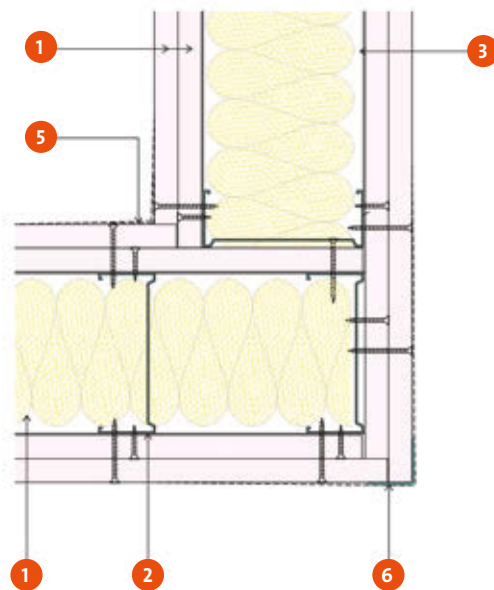
	System	Stud size (mm)	Gyproc FireStop thickness on both sides of the framework (mm)	Cavity Insulation	Fire rating (min)	Sound Rating (Rw_dB)	Nominal thickness (mm)	Maximum allowable height ¹ Stud spacing (mm)		
								600	400	300
1	GypWall FireStop HiSpec 63/F120S50	63.5	1 x 15 + 1 x 12.5		120	50	119	4400	4500	4700
2	GypWall FireStop HiSpec 102/F120S52	102	2 x 15		120	52	162	6100	6300	6500
3	GypWall FireStop HiSpec 102/F120S55	102	2 x 15	Isover Cavitybatt 102mm	120	55	162	6100	6300	6500

¹Based on limiting deflection of L/240 at 200Pa.

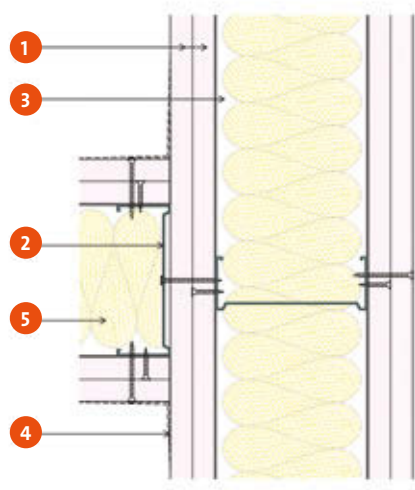
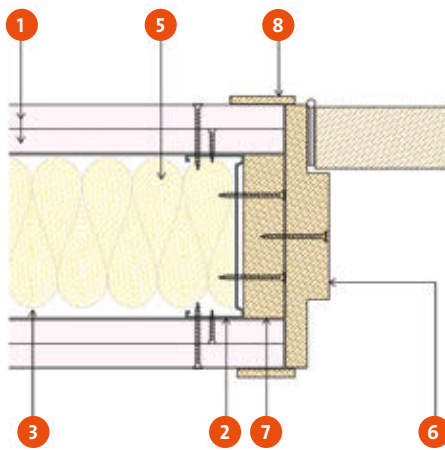
(NB). The fire resistance and sound insulation performances are for imperforate drywall incorporating boards with joints tapped and filled, or skimmed to Gyproc recommendations. The quoted performances are achieved if only Gyproc components and fixings recommendations are adhered to through out. Any variation in the specification should be checked with Saint-Gobain Gyproc Technical and Specifications.

HEAD DETAIL**DEFLECTION HEAD DETAIL****KEY**

- | | |
|---|-----------------------------|
| 1. Gyproc FireStop | 6. SoundSeal |
| 2. Donn UltraSTEEL™ Stud | 7. Fixings - by others |
| 3. Donn UltraSTEEL™ Track | 8. Top most screw |
| 4. Donn Deep Track | 9. Fire Sealant - by others |
| 5. Isover Cavitybatt (where applicable) | X = Deflection allowance |

BASE DETAIL**CORNER DETAIL****KEY**

- | | |
|---------------------------|--|
| 1. Gyproc FireStop | 6. Donn Corner Bead |
| 2. Donn UltraSTEEL™ Stud | 7. Isover Cavitybatt (where applicable) |
| 3. Donn UltraSTEEL™ Track | 8. Skirting fixed to drywall using skirting screws or an adhesive. |
| 4. SoundSeal | 9. Fixings – by others |
| 5. Gyproc RhinoTape | |

T-JUNCTION DETAIL**TIMBER DOOR FRAME****KEY**

- | | |
|---------------------------|---|
| 1. Gyproc FireStop | 5. Isover Cavitybatt (where applicable) |
| 2. Donn UltraSTEEL™ Stud | 6. Timber door frame |
| 3. Donn UltraSTEEL™ Track | 7. Timber grounding |
| 4. Gyproc RhinoTape | 8. Architrave |