



GypCeil Fire - Direct fixing

GypCeil Fire is suspended concealed ceiling comprising of VTC-Basi furring channel interlocking to VTC-Basi carrying

channel, using Gyproc FireStop plasterboard, an exclusive solution for fire protection to cavity above suspended ceiling.



Fixing 	Fire resistance (mins) 	Load capacity*		
		Point load Kg	Linear load Kg/m	Distributes load Kg/m ²
Direct	60	32	33	73

Key facts

- Designed to satisfy fire resistance requirements for cavity above suspended ceiling
- Provide 60 minutes (EI) fire resistance to BS EN 1364 - Part 2
- Durable ceiling lining, provide higher load carrying capacity

Applications

A fire horizontal membrane solution to protect M&E services in the ceiling plenum.

Sector

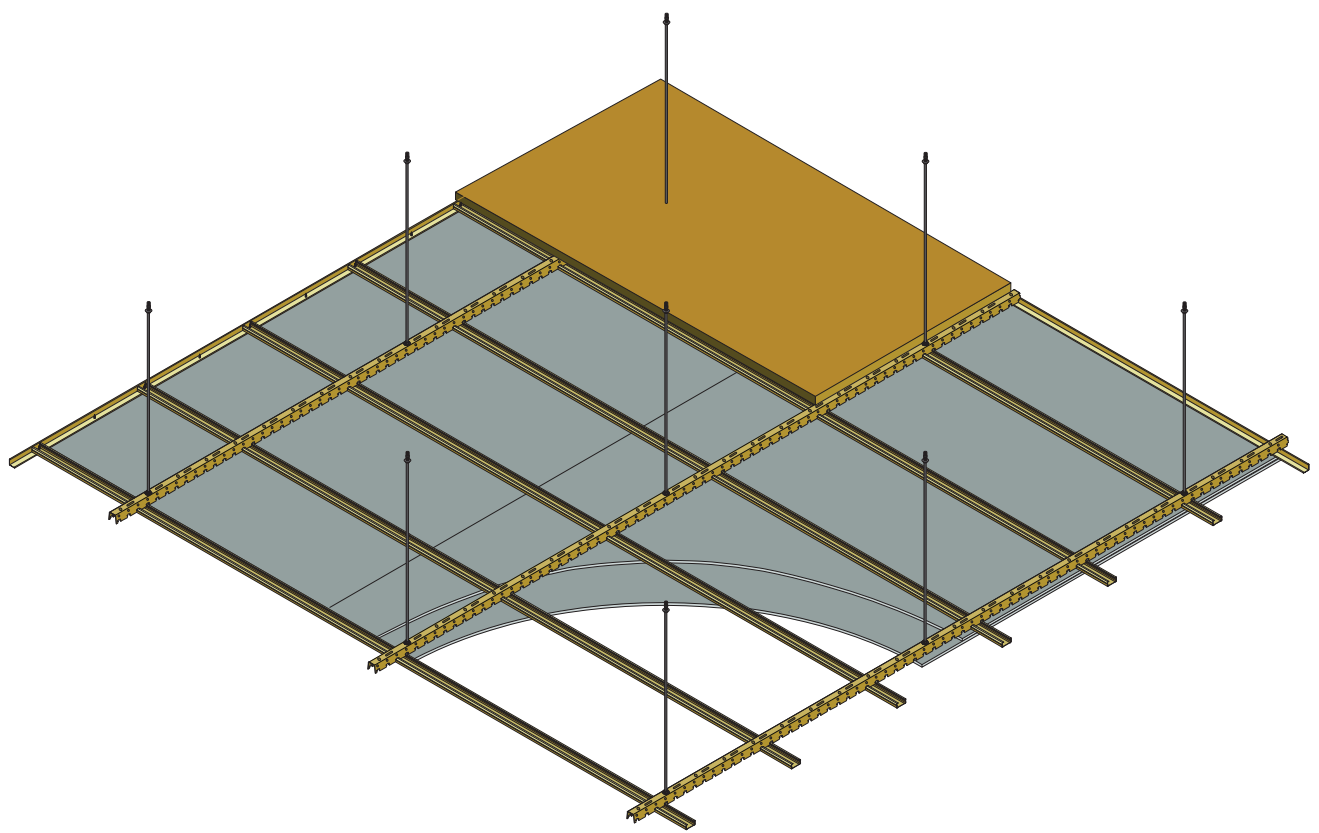
✓ Industrial



✓ Office/ Commercial

✓ Retail

GypCeil Fire - Direct fixing

VTC -BASI - double layers board membrane



Board type	Application	Fire resistance (mins) 	Load capacity* 		
			Point load Kg	Linear load Kg/m	Distributes load Kg/m ²
Gyproc Firestop 2 x 15mm	Fire resistance	60	32	33	73

Note
 *Based on a limiting deflection of L/240, refer to Strength and Robustness Principle page 29.
 The quoted performances are achieved only if the system comprises only genuine branded Saint-Gobain Vietnam components: Gyproc plasterboards, Vinh Tuong metal framings, Vinh Tuong accessories, Gyp-Filler Jointing Compound and any other materials specified in the tested systems.

System components

Metal frame products



Carrying channel
VTC-Basi3050



Furring channel
VTC-Alpha4000/
VTC-Basi4000



Wall angle
VTC-18/22

Board product



Gyproc FireStop
15mm

Fixing Finishing products



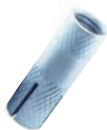
Nail



VT Drywall Screw



VT Wafer Head Screw



Suspension Bolt



Suspension Rod



Nut



Gyp-Filler
Jointing Compound



VT Paper Tape



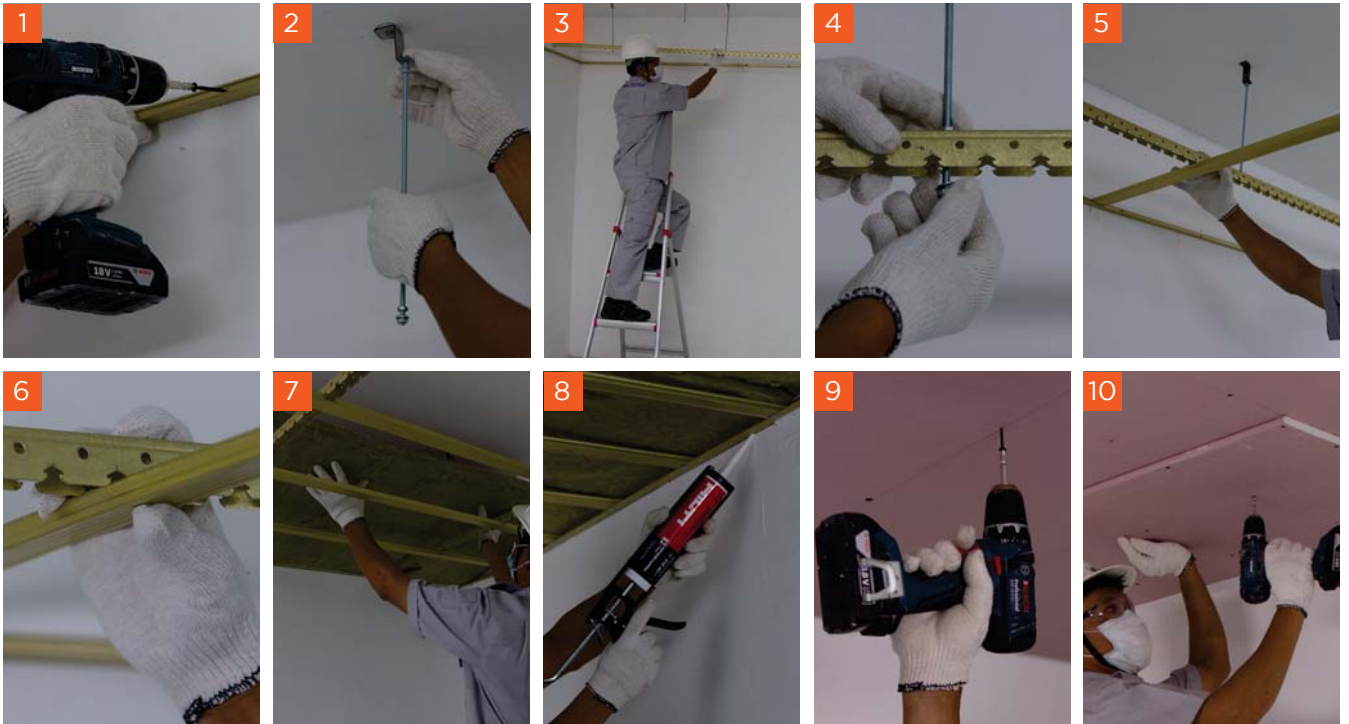
Hilti Sealant
CP 606

Insulation product



Rockwool 50kg/m³,
50mm thick

Installation overview



Determine the height at which the concealed ceiling will be installed. Fix wall angle VTC-18/22 along the perimeter on the wall with appropriate fixing

Position first suspension rod maximum of 400mm from the wall and consecutive suspension rods should be placed with center to center distance of 800mm, position first carrying channel VTC-Basi3050 at maximum of 400mm from the wall.

Connect wall angle VTC-18/22 to furring channel VTC-Alpha4000/ VTC-Basi4000 by VT Wafer Head Screws. Connect carrying channel VTC-Basi3050 to furring channel VTC-Alpha4000/ VTC-Basi4000 by interlock, with center to center distance 305mm. Apply Hilti sealant CP 606 to frame perimeters to provide optimum fire performance.

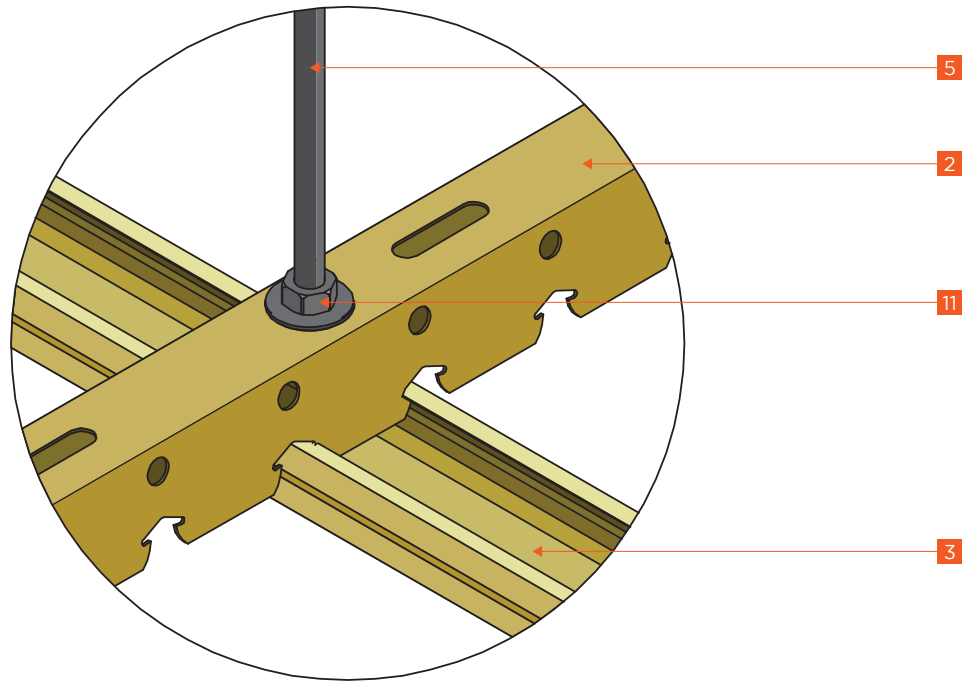
Adjust all metal framing to design level. Install Rockwool blanket 50mm thick, density 50kg/m³ so as the length run perpendicularly to the carrying channel and on top of frame system.

Fix 2 layers of Gyproc Firestop plasterboard to furring channel VTC-Alpha 4000/ VTC-Basi4000 with VT Drywall Screws in appropriate centers, the length of board must be fixed parallel to the carrying channel. Board joints in the second layer are staggered to the first.

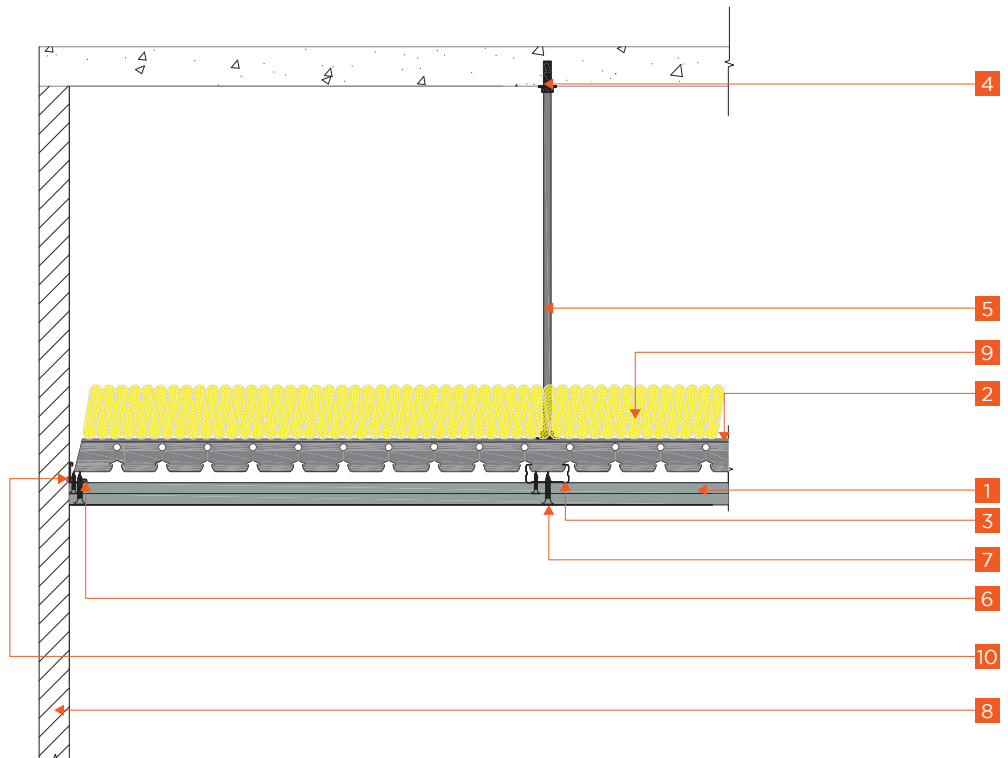
Treat all joints with VT Paper Tape and Gyp-Filler Jointing Compound.

For full installation details, please refer to Site Book.

1 Direct fixing detail

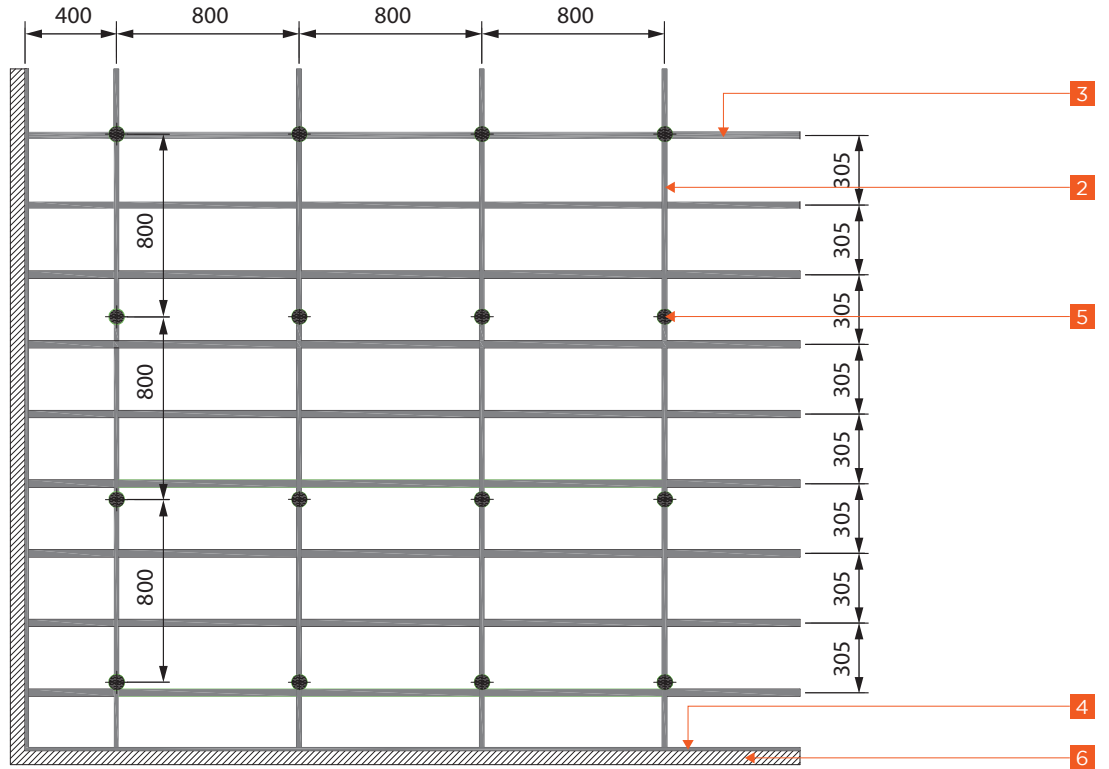


2 Connection detail to perimeter wall

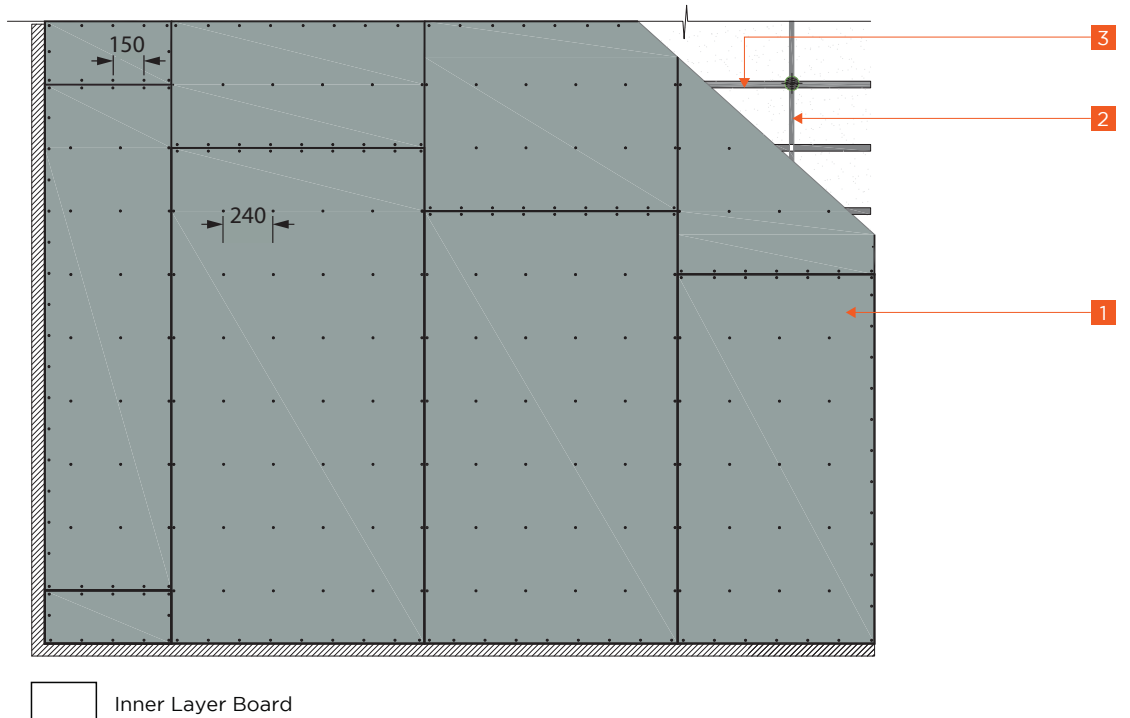


- | | |
|--|--|
| 1 Gyproc FireStop plasterboard | 7 VT Drywall Screw |
| 2 Carrying channel VTC-Basi3050 | 8 Existing wall |
| 3 Furring channel VTC-Alpha4000/VTC-Basi4000 | 9 Rockwool 50 kg/m ³ , 50mm thick |
| 4 Expansion Bolt | 10 Hilti Sealant CP606 |
| 5 Suspension Rod | 11 Nut |
| 6 Wall Angle VTC18/22 | |

3 Metal framing structure



4 Plasterboard fixing detail - Inner layer



- 1 Gyproc FireStop plasterboard
- 2 Carrying channel VTC-Basi3050
- 3 Furring channel VTC-Alpha4000/VTC-Basi4000
- 4 Wall Angle VTC-18/22
- 5 Suspension Rod
- 6 Existing wall

5 Plasterboard fixing detail - Outer layer

