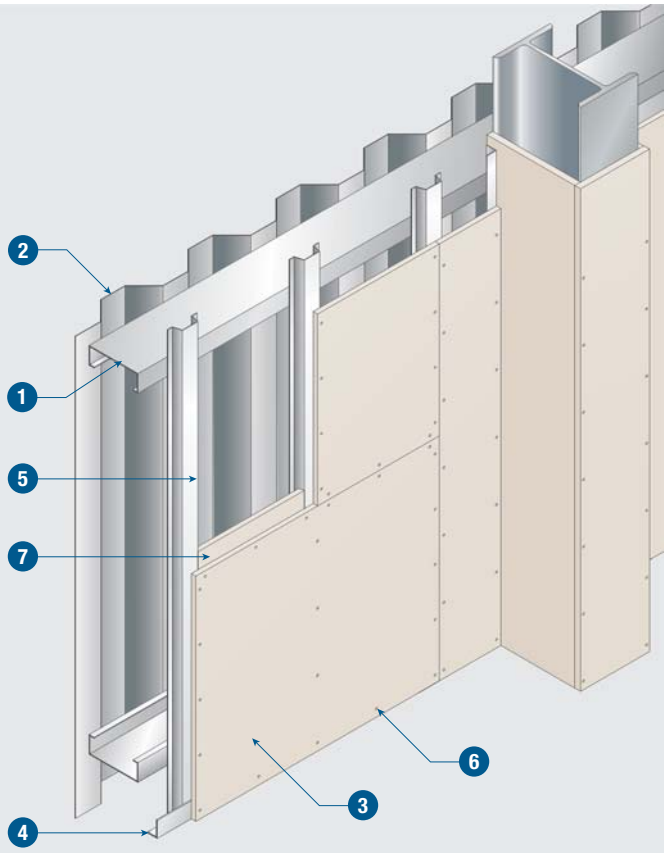
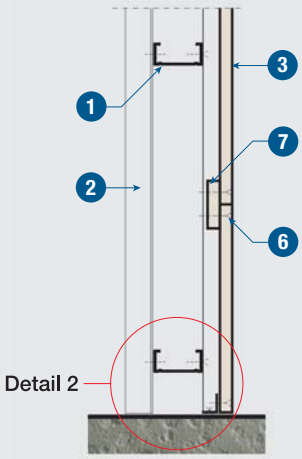
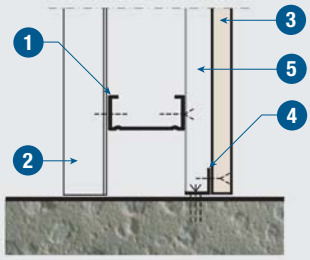


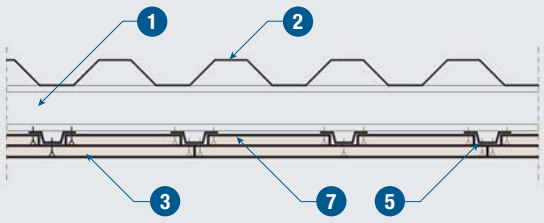
Installation Method 1 Concealed grid.



Detail 1 Vertical section



Detail 2



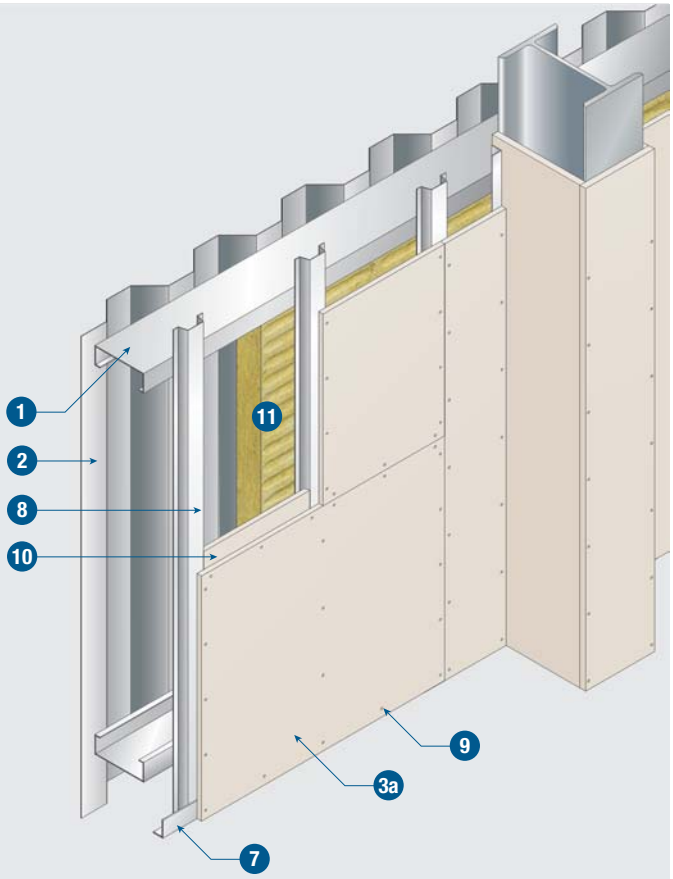
Detail 3 Horizontal section

TECHNICAL DATA

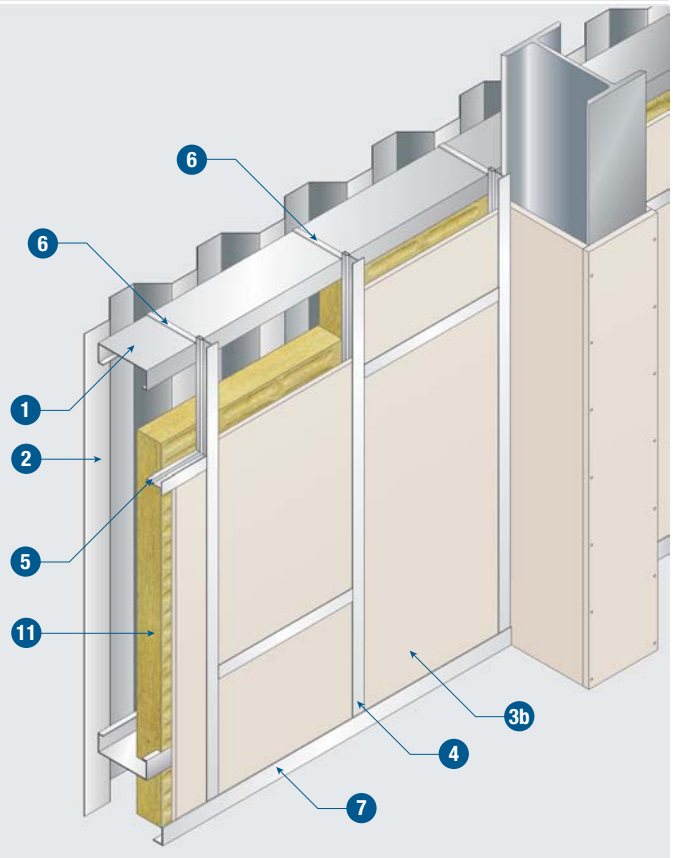
2 or 4 hours fire rating, integrity and 15 minutes insulation in accordance with the criteria of BS 476: Part 22 and AS 1530: Part 4; internal fire only.

1. **Horizontal sheeting rail at maximum 1.8m centres**
2. **External cladding, either single skin steel or fibre cement sheet. Other types of cladding refer to Promat**
3. **2 hours fire rating: PROMATECT®-H board, 6mm thick**
   4 hours fire rating: PROMATECT®-H board, 9mm thick
   Screw fixed to all top hat sections 5
4. **Galvanised perimeter trim, 25mm x 25mm x 0.56mm (Promat Tee Bar Grid)**
5. **Galvanised steel top hat sections, approximately 26mm deep x 80mm wide x 0.56mm. Width of face that panels screwed to should be 50mm minimum. Secure top hats to every rail using two steel fixings per rail at 610mm centres**
6. **Drywall screws, 25mm long at nominal 300mm centres Screw boards to every top hat section**
7. **PROMATECT®-H cover strips, 100mm wide at horizontal joints**

NOTE: 3 and 7 can be substituted with 9mm PROMINA® 60 board to achieve 240 minutes integrity and 15 minutes insulation in accordance with the relevant criteria of BS 476: Part 22: 1987.



Installation Method 2 Concealed grid.



Installation Method 3 Exposed grid.

TECHNICAL DATA

2 or 4 hours fire rating, integrity and 15 minutes insulation in accordance with the criteria of BS 476: Part 22 and AS 1530: Part 4; internal fire only.

1. Horizontal sheeting rail at maximum 1.8m centres

2. External cladding, either single skin steel or fibre cement sheet. Other types of cladding refer to Promat

3a. 2 hours fire rating: PROMATECT®-H board, 6mm thick
4 hours fire rating: PROMATECT®-H board, 9mm thick

Screw fixed to all top hat sections 8

3b. 2 hours fire rating: PROMATECT®-H 6mm x 597mm wide
4 hours fire rating: PROMATECT®-H 9mm x 597mm wide

Retained by prepunched tabs in stems of the Promat Tee Bar Grid at 300mm centres respectively

4. Vertical main tees at 600mm centres (Promat Tee Bar Grid)

5. Horizontal cross tees at every panel joint (Promat Tee Bar Grid)

6. Split hangers (Promat Tee Bar Grid)

7. Galvanised perimeter trim, 25mm x 25mm x 0.56mm (Promat Tee Bar Grid)

8. Galvanised steel top hat sections, approximately 26mm deep x 80mm wide x 0.56mm. Width of face that panels screwed to should be 50mm minimum. Secure top hats to every rail using two steel fixings per rail at 610mm centres

9. Drywall screws, 25mm long at nominal 300mm centres
Screw boards to every top hat section

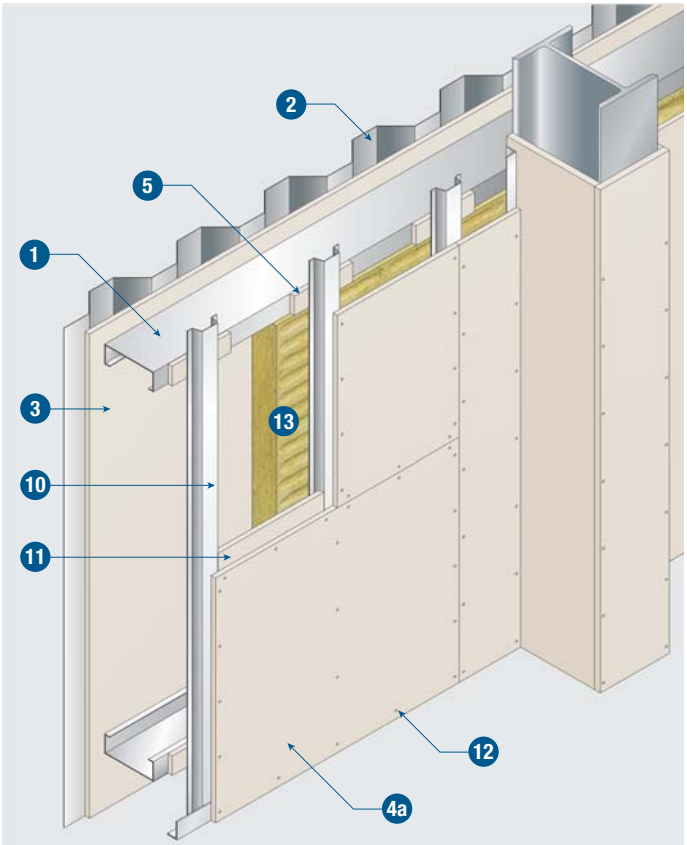
10. PROMATECT®-H cover strips, 100mm wide at horizontal joints

11. Mineral wool quilt minimum 60mm x 23kg/m³, suspended in cavity. Secure to underside of sheeting rails using galvanised angle 50mm x 25mm x 0.56mm or similar, fixed through the rock wool to the rail at maximum 500mm centres

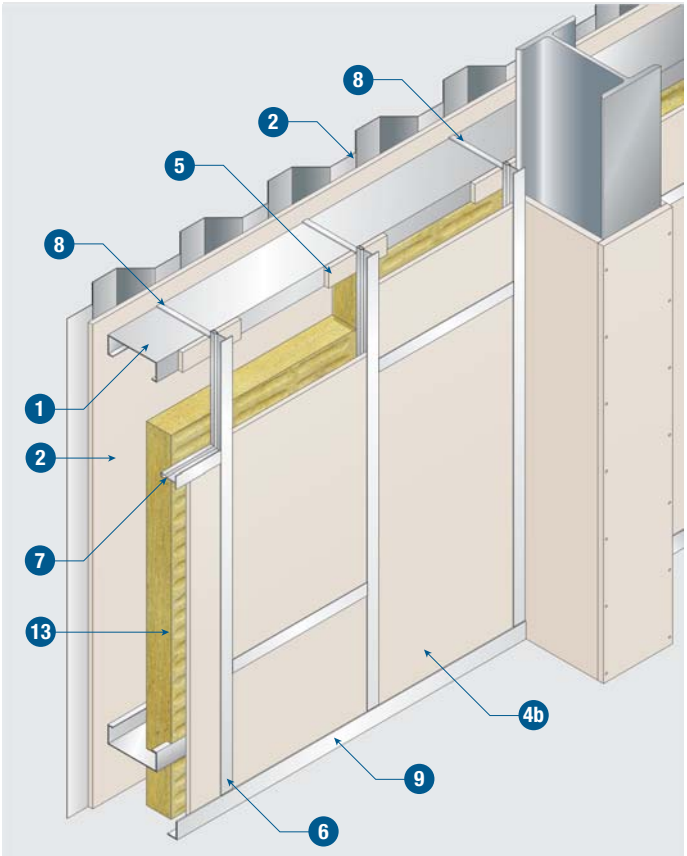
U-value 0.58 W/m²K
(approximately, with steel external cladding and rock wool)

U-value 2.4 W/m²K
(approximately, with fibre cement cladding)

NOTE: 11 mineral wool is only required for use with 6mm PROMATECT®-H and if 2 is steel profile sheet. Mineral wool can be omited if 9mm PROMATECT®-H is used, or if exterior profile sheet is fibre cement product.



Installation Method 1 Concealed grid.



Installation Method 2 Exposed grid.

TECHNICAL DATA

1/2, 1 or 2 hour(s) fire rating, integrity and insulation in accordance with the criteria of BS 476: Part 22 and AS 1530: Part 4; fire from either side.

For external fire for Class C Buildings in accordance with Australian Building Code, please contact Promat office.

1. Horizontal sheeting rail at maximum 1.8m centres
2. External cladding, single skin of steel, aluminium or fibre cement fixed through PROMATECT®-H to sheeting rail
3. PROMATECT®-H 9mm fixed to sheeting rails at nominal 300mm centres. All horizontal joints to coincide with centre of each rail. Vertical joints can be simply butt jointed

4a. PROMATECT®-H 9mm, screw fixed to all top hat sections 10

4b. PROMATECT®-H 9mm x 597mm wide, retained by prepunched tabs in the stems of the Promat Tee Bar Grid at 300mm centres

5. PROMATECT®-H cover fillet, 9mm x depth of sheeting rail x 100mm long fixed to sheeting rail
6. Vertical main tees at 600mm centres (Promat Tee Bar Grid)
7. Horizontal cross tees at every panel joint (Promat Tee Bar Grid)
8. Split hangers (Promat Tee Bar Grid)
9. Galvanised perimeter angle, 25mm x 25mm x 0.6mm
10. Galvanised steel top hat sections approximately 26mm deep x 80mm wide. Steel 0.56mm and width of face that panels screwed to should be 50mm minimum. Secure top hats to every rail using two steel fixings per rail
11. PROMATECT®-H cover strips at horizontal joints
12. Self-tapping screws, 19mm x No.8 at 300mm centres
    Screw boards to every top hat section 10
13. **1/2 hour fire rating:**
    Mineral wool not required
    U-value 2.4 W/m²K (approximately)

    1 hour fire rating:
    Mineral wool quilt 80mm x 23 kg/m³ should be suspended between the sheeting rails using galvanised angle 50mm x 25mm x 0.56mm or similar, fixed through the rock wool to the rail at maximum 500mm centres
    U-value 0.4 W/m²K (approximately)

    2 hours fire rating:
    Mineral wool quilt 50mm X 110 kg/m³ should be wired
    U-value W/m²K (approximately)