Optima Dry Lining System
High Performing, Easy & Quick

INSTALLER GUIDE

Easy to install  Minimal waste  Rapid construction time

Sustainable Insulation Solutions
Floor
Measure distance out from wall – thickness of the insulation being used + 20mm
Use chalk line to mark out line for floor U-channel – line marked is to front of U-channel
Fix to floor through pre-drilled holes in U-channel

Ceiling
Measure distance out from wall – thickness of the insulation being used + 20mm
Use chalk line to mark out line for floor U-channel – line marked is to front of U-channel
Ensure sufficient grounds are established
Fix to ceiling through pre-drilled holes in U-channel

STEP 1
Secure C-channel to background wall

STEP 2
Attach appropriate size clip to C-channel @ required centres (typically 600mm)

STEP 3
Cut insulation to required length + 10mm to ensure tight fit

STEP 4
Tuck insulation in behind U-channels (floor & ceiling). Fix ISOVER glasswool by penetrating with clip

STEP 5
Attach clip

STEP 6
Insert base of vertical C-channel into floor U-channel

STEP 7
Attach appropriate size extension piece to C-channel – depending on existing room heights

STEP 8
Extend extension piece until firmly into ceiling U-channel

STEP 9
Push vertical stud onto clip

STEP 10
Adjust vertical C-channel until plumb and lock in place by turning lever on plastic clip in a downwards motion

STEP 11
Fix ISOVER's double sided tape to the face of vertical C-channel

STEP 12
Fix ISOVER's double sided tape to the face of floor and ceiling U-channel (the use of Vario® DS Mastic is also recommended to seal any unwanted gaps)

STEP 13
Fix Vario® KIM Duplex to face of Optima system

STEP 14
Use Vario® KB1 tape to seal membrane at horizontal and vertical overlapping

STEP 15
Fix Gyproc Plasterboard in line with the manufacturer’s recommendations

STEP 16
Specific Details Overleaf
ISOVER is committed to comfortable living and climate protection. We believe in developing products to create a better, more comfortable world. Already, ISOVER insulation warms and protects 1 in 3 homes in Europe and 1 in 5 in America. Our products save you energy and money; but they also come with a proven environmental pedigree. As Europe's leading producers of high-performance insulation materials, we strive every day to develop increasingly efficient and resource-saving products. We know our materials, and we are proud to offer the best products to our customers.

## INSTALLER GUIDE

**Step 1: Metal Frame**

I. Metal frame
   1. OPTIMA Floor and ceiling U-channel
   2. OPTIMA 500mm extension
   3. OPTIMA 2.4m C-channel
   4. OPTIMA Clip system: OPTIMA2 Support (for new walls) or OPTIMA Direct Support (70 – 150) (for renovation walls).

II. Insulation
   5. ISOVER insulation material, e.g. Standard Performance Comfort 35 (Standard = 0.035W/mK) or Ultra Performance Comfort Panel 32 (Ultra = 0.022 W/mK).

## SPECIFIC DETAILS - CORNERING

1. Use U-channel for Inner & Outer corners
2. Fix U-channel to Gyproc Plasterboard
3. Secure Gyproc Plasterboard to vertical U-channel in accordance with current Gyproc guidelines.
4. Attach clip to C-channel @ required centres (typically 600mm)
5. Attach Optima Connector Piece to vertical C-channel
6. Attach C-channel horizontally (pre-cut to suit window width)
7. Depending on window width, vertical supports may need to be inserted using Optima connector piece (fix base of vertical C-channel into floor U-channel).

## SPECIFIC DETAILS - WINDOWS

8. VARIO KB1 one-sided adhesive tape
9. VARIO KM Duplex UV airtightness & moisture control layer
10. Gyproc Plasterboard (various specifications of boards available)

## SPECIFIC DETAILS - PENETRATIONS

11. VARIO® KB1
12. VARIO® KM Duplex UV
13. VARIO® DS Mastic

## OPTIMA System

III. Air tightness & Moisture control layer
   6. VARIO® Filler (blue side)
   7. VARIO® KM Duplex UV airtightness & moisture control layer
   8. VARIO® KB1 one-sided adhesive tape
   9. VARIO® DS Mastic

IV. Facing
   10. Gyproc Plasterboard (various specifications of boards available)

The sample table to the left gives an indication of the materials needed based on a wall height of 2.7m and spacing of vertical studs at 600mm centres.

**Step 2: Insulation**

OPTIMA System

What you would need to install the OPTIMA System on five metres of wall?

<table>
<thead>
<tr>
<th>OPTIMA Floor and ceiling U-channel</th>
<th>6 lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTIMA 500mm extension</td>
<td>10 lengths</td>
</tr>
<tr>
<td>OPTIMA 2.4m C-channel</td>
<td>6 pieces</td>
</tr>
<tr>
<td>OPTIMA Clip system: OPTIMA2 Support</td>
<td>10 pieces</td>
</tr>
<tr>
<td>OPTIMA Direct Support</td>
<td>10 pieces</td>
</tr>
<tr>
<td>Gyproc Insulation Material (Standard = 0.035W/mK)</td>
<td>8 colours</td>
</tr>
<tr>
<td>Gyproc Plasterboard</td>
<td>2 colours</td>
</tr>
<tr>
<td>VARIO® KB1</td>
<td>3.5m</td>
</tr>
</tbody>
</table>

OPTIMA System

The sample table to the left gives an indication of the materials needed based on a wall height of 2.7m and spacing of vertical studs at 600mm centres.

**Step 3: Installer Guide**

Start Step 1
About ISOVER:

ISOVER is committed to comfortable living and climate protection. We believe in developing products to create a better, more comfortable world. Already, ISOVER insulation warms and protects 1 in 3 homes in Europe and 1 in 5 in America. Our products save you energy and money; but they also come with a proven environmental pedigree. As Europe’s leading producers of high-performance insulation materials, we strive every day to develop increasingly efficient and resource-saving products. We know our responsibility to the earth and continually innovate to deliver the best products to our customers.