

# ***ISOVER INSTALLATION GUIDELINES***

Masonry Separating Walls  
Timber Frame Separating Walls  
Internal Walls

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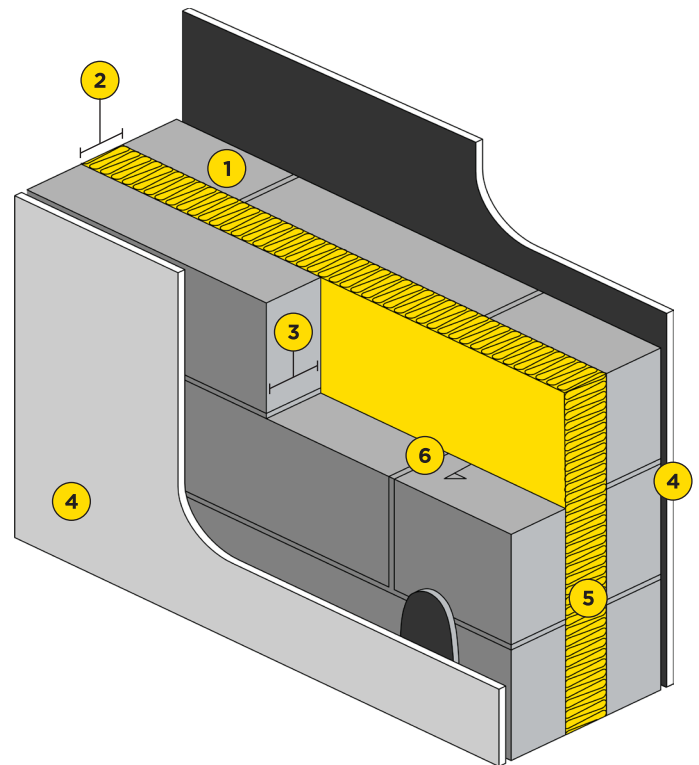
**ISOVER**  
SAINT-GOBAIN

# MASONRY SEPARATING WALLS INSTALLATION GUIDELINES

## RD PARTY WALL ROLL

Because of the many different construction methods that could be used to build a separating wall, the following guidance assumes that the method recommended in Robust Detail E-WM-20 is followed.

<b>1. Block density</b>	1350 to 1600 kg/m <sup>3</sup>
<b>2. Cavity width</b>	100mm (min)
<b>3. Block thickness</b>	100mm (min), each leaf
<b>4. Wall finish</b>	Gypsum-based board (nominal 9.8kg/m <sup>2</sup> ) mounted on dabs
<b>5. Insulation</b>	100mm Isover RD Party Wall Roll
<b>6. Wall ties</b>	Only "Type A"
<b>External (flanking) wall</b>	Masonry (both leaves) with 50mm (min) cavity - clear, fully filled or partially filled with insulation



## NEED TO KNOW

A separating wall constructed using this detail and to the Robust Detail specification will meet the building regulation requirements with no need for pre-completion testing.

To ensure the acoustic performance of the wall is not compromised, special attention should be given to the following:

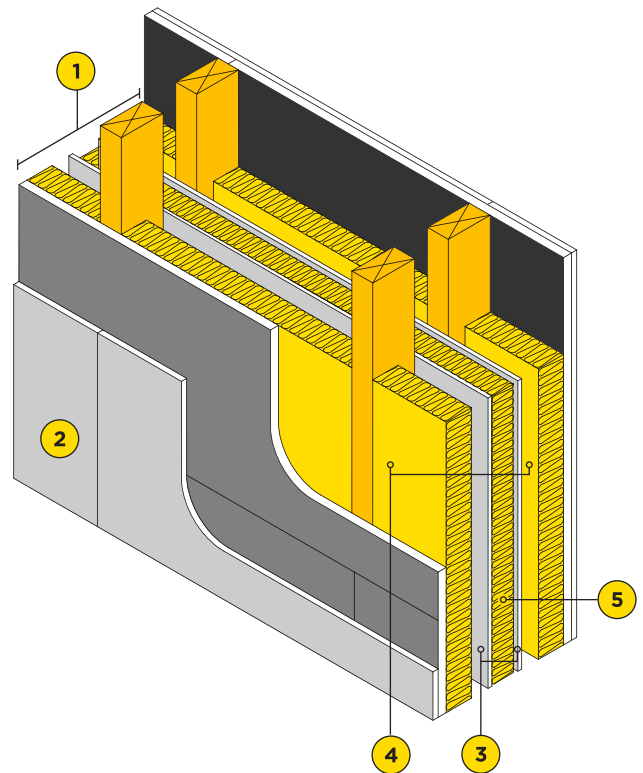
- Only "Type A" wall ties should be used.
- Be careful to keep cavity, insulation and wall ties free from mortar droppings and debris.
- Fully fill all block work joints with mortar.
- With the exception of the wall ties, insulation and foundation, make sure there is no connection between the two leaves of the wall.
- Ensure that only solid blocks (i.e. not hollow or cellular) are used in the construction of separating walls.
- Ensure all 100mm Isover RD Party Wall Rolls are tightly butted together and half cuts are made with a clean knife. All vertical joints must be staggered.
- Keep any chases for services to a minimum and fill well with mortar. Stagger chases on each side of the wall to avoid them being back to back.
- Exposed areas of RD Party Wall Roll should always be covered at the end of the day's work or in driving rain.

# TIMBER FRAME SEPARATING WALL INSTALLATION GUIDELINES

## TIMBER FRAME PARTY WALL ROLL AND TIMBER FRAME ROLL/BATT

Because of the different construction methods that could be used to build a timber frame separating wall, the following guidance assumes that the method recommended in Robust Detail E-WT-2 is followed.

<b>1. Wall width</b>	240mm (min.) between inner faces of wall linings (i.e. plasterboard)
<b>2. Wall finish</b>	2 or more layers of gypsum based board (nominal mass per unit area, 22 kg/m <sup>2</sup> ), both sides, all joints staggered.
<b>3. Sheathing board</b>	9mm (min.) thick board
<b>4. Insulation between studs</b>	90mm Isover Timber Frame Roll/Batt (both sides)
<b>5. Insulation within the cavity</b>	50mm (min.) Isover Timber Frame Party Wall Roll
<b>Ties</b>	Ties between frames should not be more than 40mm x 3mm at 1200mm (min.) centres horizontally, one row of ties per storey height vertically.
<b>External (flanking) wall</b>	Outer leaf masonry with a minimum 50mm cavity



## NEED TO KNOW

A timber frame separating wall constructed using this detail and to the Robust Detail specification will meet the building regulation requirements with no need for pre-completion testing.

To ensure the acoustic performance of the wall is not compromised, special attention should be given to the following:

- Ensure wall linings are at least 240mm apart.
- Check that a minimum 50mm gap is maintained between the wall panels.
- Ensure the Isover Timber Frame Roll/Batt completely covers the lining area.
- Make sure the Isover Timber Frame Roll/Batt fits tightly between studs with no sagging.
- Ensure that all cavity closers are flexible or are fixed to one frame only.
- Make sure there is no connection between the two leaves except where ties are necessary for structural reasons.
- Stagger joints in Isover Timber Frame Roll/Batt linings to avoid air paths.
- Seal all joints in outer layer with tape or caulk with sealant.
- The separating wall cavity between the two properties may be insulated with Isover Timber Frame Party Wall Roll. Ensure insulation thickness is no greater than 10mm wider than the cavity width to avoid excessive compression of the insulation.
- Exposed areas of Timber Frame Roll/Batt and Timber Frame Party Wall Roll should always be covered at the end of the day's work or in driving rain.

# INTERNAL WALL INSTALLATION GUIDELINES

## APR 1200

Adding Isover APR 1200 to a partition wall improves acoustic performance by absorbing sound as it moves through the residual cavity.

### STEP-BY-STEP GUIDE

#### 1 PREPARE ENVIRONMENT

Install in a clean, dry environment. Ventilate the area if possible and wear appropriate personal protective equipment (eye protection to comply with BS EN 166, gloves may be worn for comfort and a face mask complying with EN149 Class FFP1 or FFP2 in poorly ventilated areas).

#### 2 UNPACK APR 1200

Remove APR 1200 from packaging. Only unpack rolls as required to minimise storage issues of the remaining product.

#### 3 MEASURE YOUR AREA

Measure the floor to ceiling height and cut each section of APR 1200 a minimum of 50mm longer than the actual partition height. **Do not** over trim as the insulation needs to **fully** fill the studs to ensure maximum performance.

#### 4 SECURE APR

Secure APR 1200 at the top of partition by trapping the product at the partition head using a section of steel angle. This will ensure the APR 1200 maintains its form in the partition. No other fixings are required.

#### 5 CHECK FOR GAPS

Ensure there are **no gaps**, top, bottom or sides. This is important as any gaps will compromise acoustic performance.

If any gaps are present they **must** be fully filled to ensure maximum acoustic performance.