Separating Wall – Cavity Masonry

Alternative internal render specification

Either:

- British Gypsum Gyproc Sealcoat Plus (nominal 8mm, minimum 6mm)
- Knauf Gypsum Parge Coat (nominal 8mm, minimum 6mm)

applied in accordance with the manufacturer’s instructions, may be used instead of the cement:sand render mix.

Hollow or Cellular Blocks

The Besblock Star Performer is the only block of this type currently accepted by Robust Details Ltd for use as an alternative to solid blocks in E-WM-11 (and the inner leaf in attached houses)

The separating wall must not be constructed using a mix of the block types.

DO

- Keep cavity and wall ties free from mortar droppings and debris
- Fully fill all blockwork joints with mortar
- Make sure there is no connection between the two leaves except for wall ties and foundation
- Ensure cavity is minimum 100mm wide and that correct wall ties are used
- Ensure that only solid blocks or the nominated hollow or cellular blocks are used in the construction of separating and flanking walls
- 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
- Ensure that render is applied to the complete face of each leaf with a scratch finish (it may be omitted within the floor joist/beam zone)
- Refer to Appendix A

Typical render mix 1:1:6 to scratch finish render (nominal 8mm) with (nominal 8 kg/m²)

British Gypsum Gyproc SoundCoat Plus

Gypsum-based board

be stronger than background

fully filled or partially filled 50mm (min) cavity – clear.

Masonry (both leaves) with

Keep cavity and wall ties free from mortar droppings and debris

Fully fill all blockwork joints with mortar

Make sure there is no connection between the two leaves except for wall ties and foundation

Ensure cavity is minimum 100mm wide and that correct wall ties are used

Ensure that only solid blocks or the nominated hollow or cellular blocks are used in the construction of separating and flanking walls

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

Ensure that render is applied to the complete face of each leaf with a scratch finish (it may be omitted within the floor joist/beam zone)

Refer to Appendix A

Separating Wall – Cavity Masonry

Lightweight aggregate blocks

Render and gypsum-based board on dabs

Minimum 100mm cavity

Block density 1350 to 1600 kg/m³

Wall ties Approved Document E ‘Tie type A’

Cavity width 100mm (min)

Block thickness 100mm (min), each leaf

Wall finish

Gypsum-based board (nominal 8 kg/m²) mounted on dabs on cement:sand render (nominal 8mm) with scratch finish

Typical render mix 1:1:6 to 1:4:0.4. Render mix must not be stronger than background

(see Appendix A)

External (flanking) wall Masonry (both leaves) with 50mm (min) cavity – clear. fully filled or partially filled with insulation

Edition 3
July 2009 Update

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Separating Wall – Cavity Masonry

1. External (flanking) wall junction

- Masonry outer leaf
- External wall cavity (min 50mm)
- Close cavity with a flexible cavity stop unless it is fully filled with built in mineral wool insulation
- Inner leaf where there is no separating floor
e.g. for houses
  - 100mm (min) concrete block (850 kg/m³ to 1600 kg/m³) or aircrète block (450 kg/m³ to 800 kg/m³) or Besblock “Star Performer” block
  - Internal finish = 13mm plaster or nominal 8 kg/m² gypsum-based board
- Inner leaf where there is a separating floor
e.g. for flats/apartments
  - If using robust detail for floor, refer to Table 3a in introduction to select an acceptable robust detail separating floor. Then refer to separating floor robust detail to identify acceptable inner leaf construction
  - If using floor requiring pre-completion testing, seek specialist advice
  - Tooth or tie walls together

2. Staggered external (flanking) wall junction

- Masonry outer leaf
- External wall cavity (min 50mm)
- Inner leaf where there is no separating floor
e.g. for houses
  - 100mm (min) concrete block (850 kg/m³ to 1600 kg/m³) or aircrète block (450 kg/m³ to 800 kg/m³) or Besblock “Star Performer” block
  - Internal finish = 13mm plaster or nominal 8 kg/m² gypsum-based board
- Inner leaf where there is a separating floor
e.g. for flats/apartments
  - If using robust detail for floor, refer to Table 3a in introduction to select an acceptable robust detail separating floor. Then refer to separating floor robust detail to identify acceptable inner leaf construction
  - If using floor requiring pre-completion testing, seek specialist advice
  - Tooth or tie walls together
- Close cavity with a flexible cavity stop unless it is fully filled with built in mineral wool insulation
## CHECKLIST (to be completed by site manager/supervisor)

Company: 

Site: 

Plot: Site manager/supervisor: 

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Item</th>
<th>Yes</th>
<th>No</th>
<th>Inspected (initials &amp; date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Is separating wall cavity at least 100mm?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Is external (flanking) wall cavity at least 50mm?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Are separating wall blocks lightweight aggregate (1350 to 1600 kg/m³) or Besblock “Star Performer”?</td>
<td></td>
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<tr>
<td>4.</td>
<td>Is cavity free from droppings and debris?</td>
<td></td>
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<tr>
<td>5.</td>
<td>Are separating wall ties Approved Document B “Type A” (see appendix A)?</td>
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<tr>
<td>6.</td>
<td>Are cavity stops installed?</td>
<td></td>
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<tr>
<td>7.</td>
<td>Are joints fully filled?</td>
<td></td>
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<tr>
<td>8.</td>
<td>Are voids around floor joists, chases, etc. fully filled/sealed?</td>
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<td></td>
</tr>
<tr>
<td>9.</td>
<td>Is render coat applied to the whole wall face (except where it may be omitted between floor joists/beams)?</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>10.</td>
<td>Where there is a separating floor (e.g., flats/apartments) has the resilient flanking strip been installed?</td>
<td></td>
<td></td>
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<tr>
<td>11.</td>
<td>Are all junctions of wall and ceiling boards sealed with tape or caulked with sealant?</td>
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<tr>
<td>12.</td>
<td>Is separating wall satisfactorily complete?</td>
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<td></td>
</tr>
</tbody>
</table>

**Notes** (include details of any corrective action)

Site manager/supervisor signature: ........................................

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