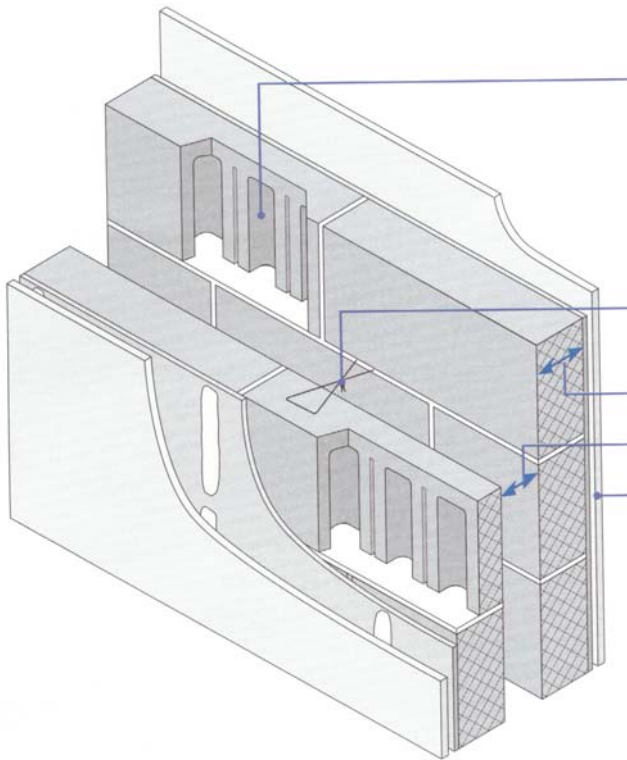


Besblock “Star Performer” dense aggregate cellular blocks ■  
 Render and gypsum-based board on dabs ■



<b>Block</b>	Only Besblock “Star Performer” 5-bridge cellular block (4-core, concrete density 1995kg/m <sup>3</sup> , block density 1528 kg/m <sup>3</sup> , unit weight 14.5 kg)
<b>Wall ties</b>	Approved Document E ‘Tie type A’ (See Appendix A)
<b>Block thickness</b>	100mm (min), each leaf
<b>Cavity width</b>	75mm (min)
<b>Wall finish</b>	Gypsum based-board (nominal 8 kg/m <sup>2</sup> ) mounted on dabs on cement:sand render (nominal 8mm) with scratch finish  Typical render mix 1:1:6 to 1:1/2:4. Render mix must not be stronger than background (see appendix A)
<b>External (flanking) wall</b>	Masonry (both leaves) with 50mm (min) cavity – clear, fully filled or partially filled with insulation.

## Alternative internal render specification

British Gypsum Gyproc SoundCoat (nominal 8mm, minimum 6mm) applied in accordance with the manufacturer’s instructions, may be used instead of the cement:sand render mix.

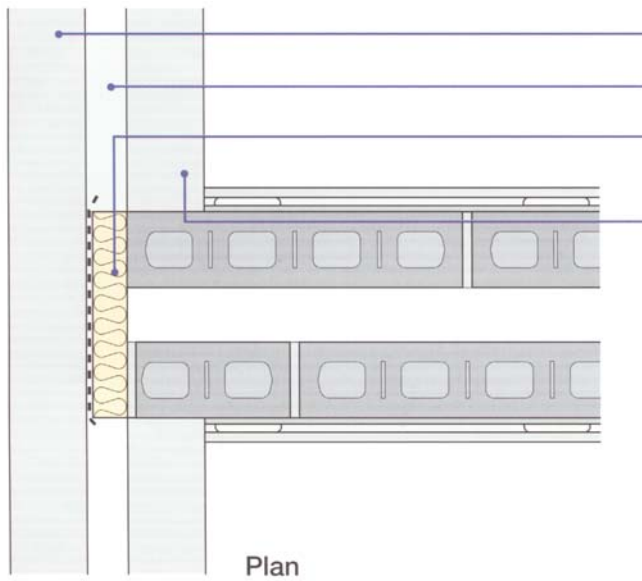
## DO

- Place blocks with cellular holes open to lower mortar bed
- 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 foundations
- 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 (it may be omitted within the floor joist/beam zone)
- Refer to Appendix A



**Besblock**

## 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

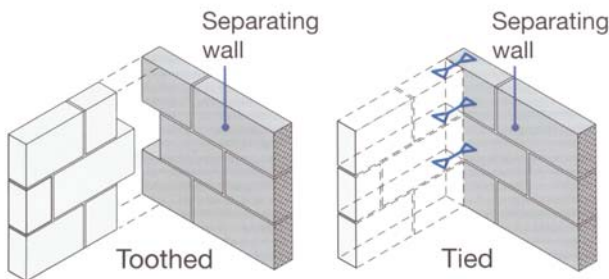
**Inner leaf where there is no separating floor  
e.g for houses**

- 100mm (min) concrete block (1350 kg/m<sup>3</sup> to 1600 kg/m<sup>3</sup>) or aircrete block (450 kg/m<sup>3</sup> to 800 kg/m<sup>3</sup>) or Besblock “Star Performer” block
- Internal finish – 13mm plaster or nominal 8 kg/m<sup>2</sup> gypsum-based board

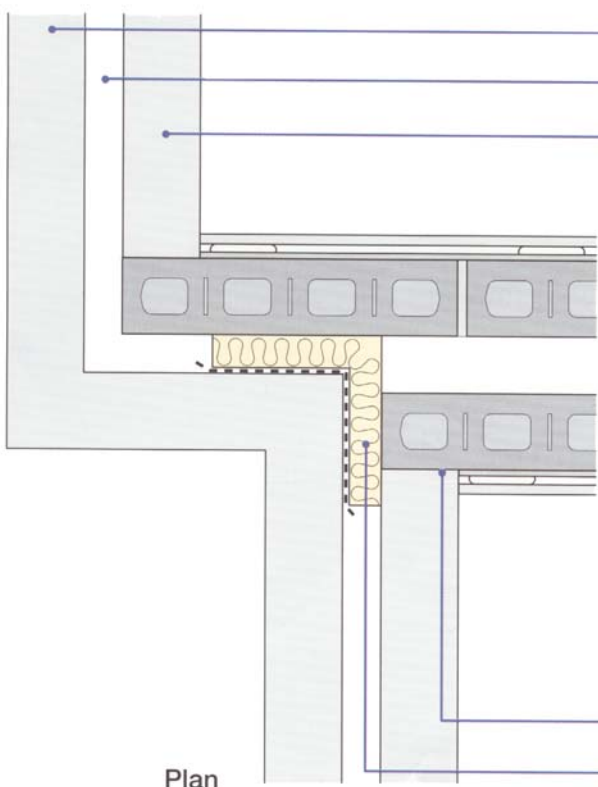
**Inner leaf where there is a separating floor  
e.g for flats/apartments**

- if using robust detail for floor, refer to Table 3 in introduction to select an acceptable robust detail separating floor. Then refer to separating floor robust detail to identify acceptable inner leaf construction or use Besblock “Star Performer” Block
- 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 (1350 kg/m<sup>3</sup> to 1600 kg/m<sup>3</sup>) or aircrete block (450 kg/m<sup>3</sup> to 800 kg/m<sup>3</sup>) or Besblock “Star Performer” block
- Internal finish – 13mm plaster or nominal 8 kg/m<sup>2</sup> 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 3 in introduction to select an acceptable robust detail separating floor. Then refer to separating floor robust detail to identify acceptable inner leaf construction or use Besblock “Star Performer” block
- 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