

Robust Detail E-WM-27



Masonry Party Wall, Lightweight Aggregate Blocks, Minimum 75mm cavity

February 2018

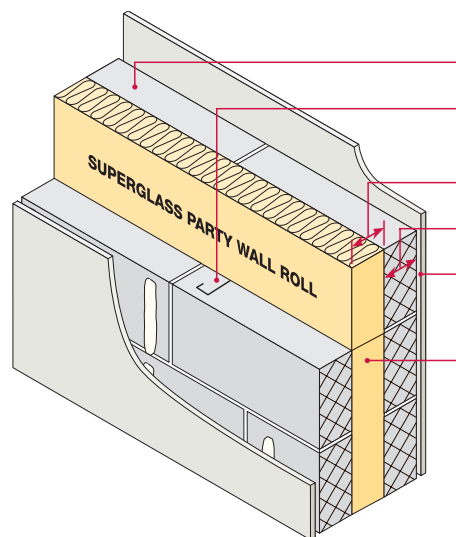
Benefits:

- Compliant with standard 12.5mm plasterboard (nominal 8kg/m² density).
- No parge coat required.
- Party Wall Thermal Bypass - Full-fill solution to aid zero u-value compliance.
- No requirement for pre-completion acoustic testing.



Superglass Party Wall Roll

E-WM-27



Blocks: 1350 to 1600 kg/m³

Wall Ties: Approved Document E 'Tie type A'

Cavity width: 75mm (min)

Block thickness: 100mm (min), each leaf

Wall finish: Gypsum based board mounted on dabs (nominal 8kg/m²)

Insulation: Superglass Party Wall Roll

External flanking wall: Masonry (both leaves) with 50mm (min) cavity - fully filled or partially filled with Superglass Superwall Cavity Slabs or fully filled with Superglass Superwhite 34 Blown Cavity Insulation.

The requirements of the Robust Details Handbook should be strictly followed.

| Superglass Party Wall Roll | | | | | | | |
|----------------------------|------------|------------|---|--------------------------------|--|--|-----------------------------------|
| Thickness (mm) | Length (m) | Width (mm) | Fire Classification when tested to BS EN 13501-1 Reaction to Fire | Generic BRE Green Guide Rating | Approved Document E (Eng & Wal) Acoustic Performance in excess of 45 dB DnT,w+Ctr(*) | Contributes to zero effective U-value (**) | Code for Sustainable Home Credits |
| 75 | 7.70 | 3 x 455 | A1 non-combustible | A+ | YES | YES | 3 |
| 100 | 5.75 | 3 x 455 | A1 non-combustible | A+ | YES | YES | 3 |
| 125 | 4.50 | 3 x 455 | A1 non-combustible | A+ | YES | YES | 3 |
| 150 | 3.50 | 3 x 455 | A1 non-combustible | A+ | YES | YES | 3 |

(**) When used in conjunction with effective edge sealing

For more information on the above Robust Detail please visit www.robustdetails.com or call our Technical Team on **0808 16545 134**.

The Part E Robust Details Handbook states that the separating cavity in E-WM-27 can only be insulated using Superglass Party Wall Roll. Acoustic testing has been completed to demonstrate suitability in the above construction. If this solution were to be used on site with an equivalent construction and the same build quality, it would achieve the sound insulation performance level required by Approved Document E (England and Wales).

Northern Ireland

The Department of Finance and Personnel has accepted the Robust Details scheme as the alternative to pre-completion sound testing to demonstrate compliance with Part G (NI) for new dwellings. Builders wishing to register and construct plots in Northern Ireland can use the Part E (E&W) Handbook and documentation.

More Robust Details Solutions which can incorporate Superglass Party Wall Roll

| Robust Details Solutions | | | | |
|--------------------------|---------------------------|--|---------------------|---------------------------------------|
| Robust Detail | Minimum Cavity Width (mm) | Block Type & Density (kg/m ³) | Parge Coat Required | Wall Finish |
| E-WM-1 | 75 | Dense Aggregate - 1850 to 2300 | No | Wet Plaster |
| E-WM-2 | 75 | Lightweight Aggregate - 1350 to 1600 | No | Wet Plaster |
| E-WM-3 | 75 | Dense Aggregate - 1850 to 2300 | Yes | Render and gypsum-based board on dabs |
| E-WM-4 | 75 | Lightweight Aggregate - 1350 to 1600 | Yes | Render and gypsum-based board on dabs |
| E-WM-5 | 75 | Besblock 'Star Performer' - 1528 | Yes | Render and gypsum-based board on dabs |
| E-WM-6 | 75 | Aircrete - 600 to 800 | Yes | Render and gypsum-based board on dabs |
| E-WM-10 | 75 | Aircrete - Thin Joint System - 600 to 800 | Yes | Render and gypsum-based board on dabs |
| E-WM-11 | 100 | Lightweight Aggregate - 1350 to 1600 | Yes | Render and gypsum-based board on dabs |
| E-WM-12 | 75 | Plasmor 'Aglite Ultima' - 1050 | Yes | Render and gypsum-based board on dabs |
| E-WM-13 | 75 | Aircrete - Thin Joint Untied System - 600 to 800 | Yes | Render and gypsum-based board on dabs |
| E-WM-16 | 100 | Dense Aggregate - 1850 to 2300 | Yes | Render and gypsum-based board on dabs |
| E-WM-18 | 100 | Dense Aggregate - 1850 to 2300 | No | Wet Plaster |
| E-WM-19 | 100 | Dense - 1850 to 2300 or Lightweight Aggregate - 1350 to 1600 | Yes | Render and gypsum-based board on dabs |
| E-WM-21 | 100 | Lightweight Aggregate 1350 to 1600 | No | Wet Plaster |
| E-WM-22 | 100 | Lightweight Aggregate - 1350 to 1600 or Plasmor 'Aglite Ultima' - 1050 | No | Gypsum-based board on dabs |
| E-WM-23 | 100 | Aircrete - Standard and Thin Joint - 600 to 800 | No | Gypsum-based board on dabs |
| E-WM-25 | 100 | Porotherm - Thin Joint - n/a | Yes | Ecoparge gypsum-based board on dabs |
| E-WM-26 | 100 | Besblock 'Star Performer' - 1528 | No | Gypsum-based board on dabs |
| E-WM-29 | 75 | Porotherm - Thin Joint - n/a | Yes | Ecoparge gypsum-based board on dabs |

The above table is to be used as a guide only. Always refer to the Robust Details Handbook.

Assessment for Robust Details status is carried out by Robust Details Limited. Constructions are subjected to a series of acoustic tests in accordance with the requirements of Approved Document E and, if successful, published in the Robust Details Handbook.

Robust Details Limited carries out ongoing quality checking of existing Robust Details in use.

See www.robustdetails.com.

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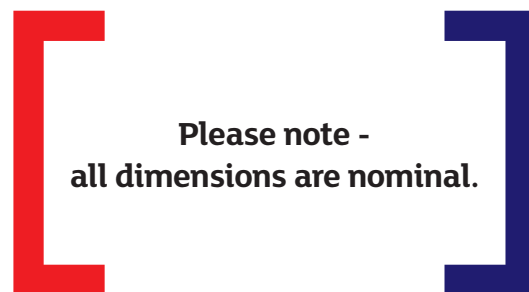
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