

Noise Mitigation Strategy-148 Factory Road

Internal walls

The wall between the kitchen and bathroom will be an acoustic wall.

Link to wall build up - <https://www.british-gypsum.com/Specification/White-Book-Specification-Selector/internal-partitions-walls/gypwall-resilient/a316008-en#description>

This provides a 60% increase in acoustic performance when compared with a standard metal stud wall with normal board and insulation. 40 RW (DB) compared with 61 RW (DB),

A soundproof fire door with acoustic smoke strips will be between the kitchen and bedroom two.

Other partition walls

All built to current building regs.

Walls

<https://www.british-gypsum.com/Specification/White-Book-Specification-Selector/internal-partitions-walls/gypwall-single-frame/a206228-mr2-en>

The walls are lined with acoustic plasterboard, and will be fitted with Rocksilks RS45 which exceed building reg requirements. This is a very dense acoustic insulation which is above and beyond normal partition roll. This will prevent noise transfer between adjoining rooms preventing hearing the person in the room next to you snoring or conversations etc.

https://knauf.com/en-GB/p/product/rocksilk-r-rs45-26369_4206

Floors

Normal acoustic partition roll 150mm. Meets current regulations

https://www.tradeinsulations.co.uk/product/150mm-isover-rd-party-wall-roll/?srsltid=AfmBOopQpBA8Sgux_ajjxX7qlvza3QrEKtMyXPP8Qq7JcVB_kcbwjzSt

External walls

Will be lined with 72.5mm insulated plasterboard to boost the epc to c – currently a D, and to meet current buildings regs.

https://buildersinsulation.co.uk/products/72.5mm---celotex-insulated-plasterboard-pl4060-1.2m-x-2.4m.html?gad_source=1&gad_campaignid=16823193807&gbraid=0AAAAAoTABh3Qbk_hS2FPoaPxLbp7oKCgyx&gclid=Cj0KCQiA9OnJBhD-

[ARIsAPV51xNhE1DtGtGMUwfileDzDmkCDh57TcPswEc3nYfQDyWduTj5yGq4LdAaAi3REALw_wcB](#)

The addition of all this additional insulation improves ensure we meet current building regs, ensures good amenity standards.

DS SEALS

LP1004DS, LP1504DS, LP2004DS, LP2504DS

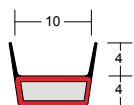
31dB

Our DS door seal offers the ultimate in acoustic, smoke + fire protection, with the added benefit of thermal containment. Its unique design means that whichever way round the product is installed, the seal can always be fitted in the correct place, maintaining the integrity of the acoustic + smoke seal at the ironmongery points.

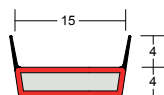
A range of sizes to cover 30, 60, 90 + 120 minute applications, the DS seal also includes integral antimicrobial protection.



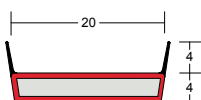
ACOUSTIC, SMOKE + FIRE SEALS



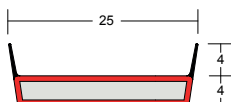
LP1004DS



LP1504DS



LP2004DS



LP2504DS



DS seal (shown with LAS8001 si)

SYSTEM SPECIFICATIONS

Test evidence

- ▶ Acoustic: BS EN ISO 10140-2: 2010.
- ▶ Smoke: BS 476-31.1: 1983.
- ▶ Fire: BS EN 1634-1: 2008.
- ▶ Fire: BS 476-22: 1987.
- ▶ Durability: 1 million cycles.

Performance

- ▶ Meets smoke requirements BS 9999:2017.
- ▶ Protects against sound, smoke, and fire.
- ▶ Thermal containment.
- ▶ Suitable for wheeled traffic.
- ▶ Exceptionally low frictional resistance for ease of door operation (Approved Document M).
- ▶ Integral antimicrobial protection.

Size

- ▶ 10 x 4mm.
- ▶ 15 x 4mm.
- ▶ 20 x 4mm.
- ▶ 25 x 4mm.

Location

- ▶ Single and double leaf doors.

Use with

- ▶ Any architectural seals.

Min/max gap size

- ▶ 3mm/4mm.

Seal material

- ▶ PVC encased sodium silicate.

Standard lengths

- ▶ 1m and 2.1m.
- ▶ Other lengths to special order.

Fixing

- ▶ Heavy duty self-adhesive backing tape.

Finishes

- ▶ Available in a range of standard colours, with black fins - to blend or contrast with the doorset as required. White fins are also available to special order.

Accreditations

