



HFB CAVITY DPC

Date: 25th May 2023

Reference: 8

Issue: 1



Bridge Reveal Closer DPC

- Prevents the spread of flames and smoke
- Reduces the passage of sound along the cavity

- For horizontal application
- Suitable for Masonry:Blockwork and Masonry:Timberframe
- Meets current fire and building regulations.
- Rigorously tested to current accreditation.
- Provides up to 4 hours fire integrity.
- 1200mm long, manufactured from Knauf ECOSE Mineral Wool.
- Encapsulated in recycled plastics on a DPC backing.



Technical Data



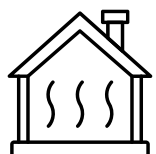
FIRE

GIS HFB Cavity DPC is manufactured using Knauf ECOSE Rock Slab, which has a fire classification of EUROCLASS A1. This means that it will not contribute to the spread of fire. The DPC is encapsulated in recycled plastic, which will not propagate the spread of fire. The product has been tested to BS EN 1366-4 and BS 476: Part 20, and is proven to provide up to 4 hours of fire integrity.



ACOUSTIC

GIS HFB Cavity DPC meets the generic requirements for preventing the transmission of flanking noise along external walls, aligning with the guidelines outlined in Approved Document E of the building regulations.



THERMAL

GIS HFB Cavity DPC offers excellent thermal performance with a low thermal conductivity of 0.035W/mK. When installed, it effectively seals the perimeter edges, meeting the requirements specified in building regulations L1A and L2A, as well as complying with section 6 of the Scottish building standards.



ENVIRONMENT

Our Environmental policy aims to reduce waste and minimise our carbon footprint, with a focus on product selection. KNAUF INSULATION mineral wool slab utilises ECOSE technology - the UK's first organic binder for mineral wool.

These slabs are CFC and HCFC-free, with no other ozone depletion potential elements, exceeding BREEAM requirements with a ZERO ODP and GWP classification. Using these products can help achieve environmentally conscious design considerations.

Technical Data



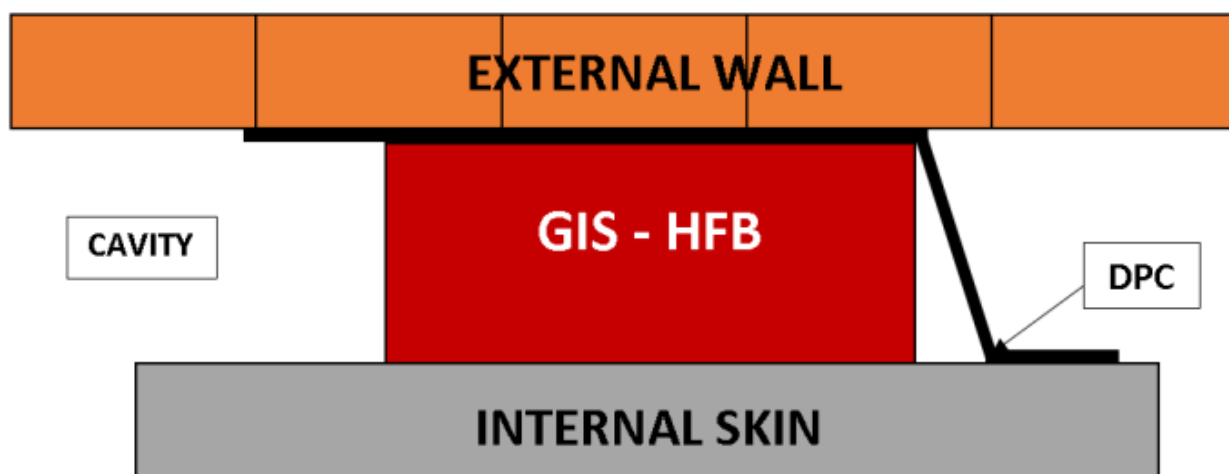
INSTALLATION

The GIS 1200mm long Cavity DPC is suitable for both brick/block and brick/timber frame party wall applications.

During construction, the GIS HFB Cavity DPC should be horizontally compression fitted within the cavity wall. When fitting, it is crucial to ensure tight fitting of all butt joints to maintain the fire and acoustic integrity of the product. To meet current fire and acoustic requirements, a minimum overlap of 50mm with the party wall leaf on either side of the party wall cavity must be maintained. The DPC is then used to form a tray that is fixed to the inner leaf or built into the brickwork.

It is essential that the GIS HFB Cavity DPC fills the cavity from the rear of the outer leaf to the face of the inner leaf. If there is any cavity insulation, it must be cut back on either side of the party wall in the outer cavity to allow for this fitting method.

When installing vertically, start by fitting the 100mm end lap at the bottom. As the construction progresses, the lap forms a continuous barrier, effectively preventing moisture ingress.



Technical Data



HANDLING

The GIS HFB Cavity DPC is carefully packaged in outer polythene bags to ensure convenient transportation and handling. To maintain the quality of the product, it is important to avoid storing it in direct sunlight, as prolonged exposure may lead to plastic degradation. For optimal storage conditions, we recommend covering or storing the goods indoors if they will be standing for a period of time before use.

During handling, it is possible for local delamination to occur from the DPC. It's important to note that this does not impact the performance of the product when properly fitted, as it operates under compression.

HFB CAVITY DPC

Cavity Fire Barrier for construction applications

| <u>PRODUCT REF</u> | <u>INSULATION WIDTH</u> | <u>DPC WIDTH</u> | <u>TO SUIT CAVITY SIZE</u> |
|--------------------|-------------------------|------------------|----------------------------|
| HFB/100/15-24 | 100mm | 337mm | 15-24 |
| HFB/100/25-39 | 100mm | 337mm | 25-39 |
| HFB/100/40-50 | 100mm | 337mm | 40-50 |
| HFB/100/51-65 | 100mm | 337mm | 51-65 |
| HFB/100/66-75 | 100mm | 337mm | 66-75 |
| HFB/100/76-90 | 100mm | 337mm | 76-90 |
| HFB/100/91-100 | 100mm | 337mm | 91-100 |
| HFB/100/101-120 | 100mm | 337mm | 101-120 |
| HFB/100/121-130 | 100mm | 450mm | 121-130 |
| HFB/100/131-140 | 100mm | 450mm | 131-140 |
| HFB/150/25-39 | 150mm | 450mm | 25-39 |
| HFB/150/40-50 | 150mm | 450mm | 40-50 |
| HFB/150/51-65 | 150mm | 450mm | 51-65 |
| HFB/150/66-75 | 150mm | 450mm | 66-75 |
| HFB/150/76-90 | 150mm | 450mm | 76-90 |
| HFB/150/91-100 | 150mm | 450mm | 91-100 |
| HFB/150/101-120 | 150mm | 450mm | 101-120 |
| HFB/150/121-130 | 150mm | 450mm | 121-130 |
| HFB/150/131-140 | 150mm | 450mm | 131-140 |
| HFB/150/141-150 | 150mm | 450mm | 141-150 |
| HFB/150/151-165 | 150mm | 600mm | 151-165 |
| HFB/200/76-90 | 200mm | 600mm | 76-90 |
| HFB/200/91-100 | 200mm | 600mm | 91-100 |
| HFB/200/101-120 | 200mm | 600mm | 101-120 |
| HFB/200/121-130 | 200mm | 600mm | 121-130 |
| HFB/200/131-140 | 200mm | 600mm | 131-140 |
| HFB/200/141-150 | 200mm | 600mm | 141-150 |
| HFB/200/151-165 | 200mm | 600mm | 151-165 |
| HFB/200/166-185 | 200mm | 600mm | 166-185 |
| HFB/200/186-205 | 200mm | 600mm | 186-205 |
| HFB/200/206-225 | 200mm | 600mm | 206-225 |
| HFB/200/226-250 | 200mm | 600mm | 226-250 |
| HFB/200/251-265 | 200mm | 750mm | 251-265 |
| HFB/200/266-280 | 200mm | 750mm | 266-280 |
| HFB/200/281-300 | 200mm | 750mm | 281-300 |

Disclaimer: The information in this document is for guidance only. Seek expert advice before specifying or installing any product. Ensure fire barriers are tested for the intended application. Guardian Insulation Solutions is not liable for failures due to non-standard usage, gaps caused by deflection or distortion, or improper installation.