

# BRIDGE REVEAL CLOSER DPC

Date: 26th June 2023

Reference: 6

Issue: 1



## Fire Rated Cavity Closer

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

- For vertical 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 standard DPC backing.
- HYLOAD or other DPC available POA.



# BRIDGE REVEAL CLOSER DPC

Cavity Fire Barrier for construction applications

## Technical Data



### FIRE

GIS Bridge Reveal 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 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 Bridge Reveal DPC meets the generic requirements for the prevention of flanking noise transmission, along external walls. The product meets the requirements of Approved Document E of the Building Regulations.



### THERMAL

The GIS Bridge Reveal 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

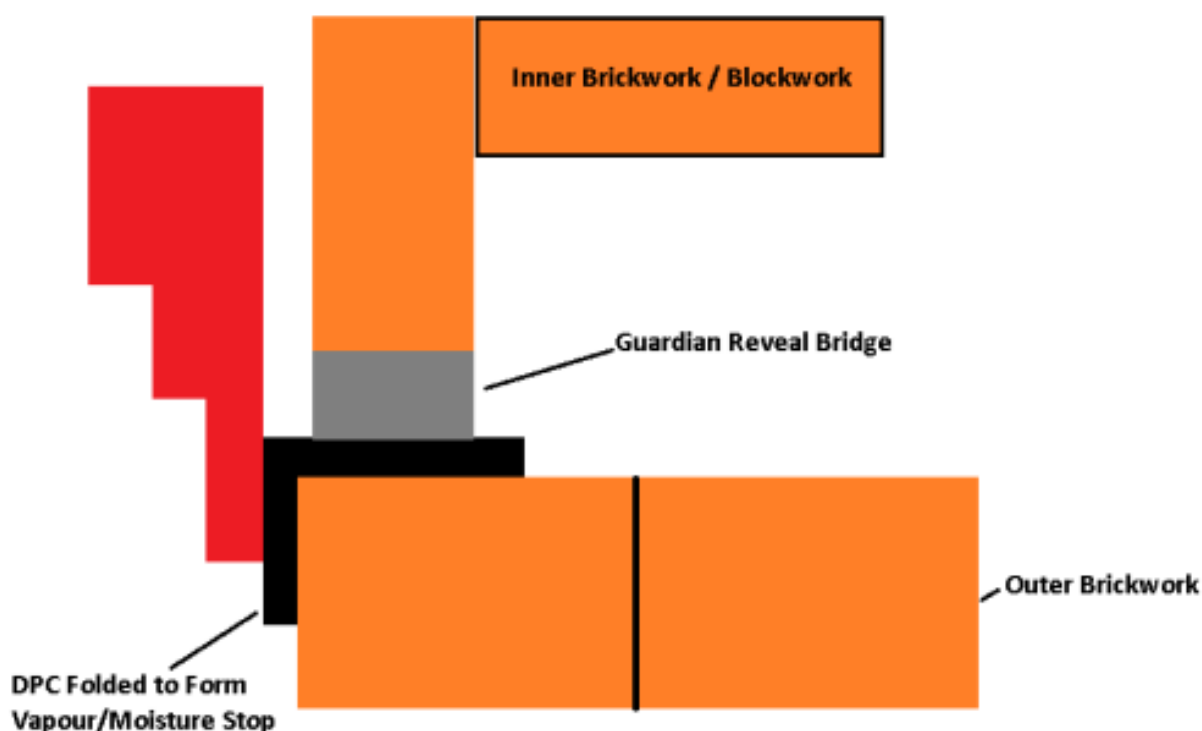


### INSTALLATION

GIS Bridge Reveal DPC, available in a length of 1200mm, is suitable for both brick/block and brick/brick frame reveal return wall applications.

During construction, the GIS Bridge Reveal DPC should be vertically compression fitted within the cavity wall. It is essential to ensure tight fitting of all butt joints to maintain the fire and acoustic integrity of the product. To meet current fire regulations, a minimum compression of 5mm must be maintained.

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



## Technical Data



### HANDLING

GIS Bridge Reveal DPC is conveniently packaged in outer polythene bags to facilitate transportation and handling. However, it is important to note that the product should not be stored in direct sunlight, as exposure to sunlight may lead to plastic degradation.

For optimal storage conditions, it is recommended to cover or store 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 is important to understand that this does not affect the performance of the product when properly fitted, as it operates under compression.

# BRIDGE REVEAL CLOSER DPC



## Product & Packaging Information

| PRODUCT REF  | INSULATION WIDTH | DPC WIDTH | THICKNESS (mm) | TO SUIT CAVITY SIZE | LENGTHS PER PACK | PACKS PER PALLET |
|--|------------------|-----------|----------------|---------------------|------------------|------------------|
| GCB/100/5-10/168   | 100mm            | 168mm     | 15             | 5-10                | 36               | 20               |
| GCB/100/11-15/168  | 100mm            | 168mm     | 20             | 11-15               | 36               | 20               |
| GCB/100/16-20/168  | 100mm            | 168mm     | 25             | 16-20               | 25               | 18               |
| GCB/100/21-25/168  | 100mm            | 168mm     | 30             | 21-25               | 25               | 18               |
| GCB/100/26-30/168  | 100mm            | 168mm     | 35             | 26-30               | 24               | 16               |
| GCB/100/31-35/168  | 100mm            | 168mm     | 40             | 31-35               | 25               | 16               |
| GCB/100/36-40/168  | 100mm            | 168mm     | 45             | 36-40               | 24               | 15               |
| GCB/100/41-45/168  | 100mm            | 168mm     | 50             | 41-45               | 24               | 15               |
| GCB/100/46-50/168  | 100mm            | 168mm     | 55             | 56-50               | 24               | 15               |
| GCB/100/51-55/168  | 100mm            | 168mm     | 60             | 51-55               | 22               | 15               |
| GCB/100/56-60/168  | 100mm            | 168mm     | 65             | 56-60               | 20               | 15               |
| GCB/100/61-65/168  | 100mm            | 168mm     | 70             | 61-65               | 18               | 15               |
| GCB/100/66-70/168  | 100mm            | 168mm     | 75             | 66-70               | 16               | 15               |
| GCB/100/71-75/168  | 100mm            | 168mm     | 85             | 71-75               | 15               | 15               |
| GCB/100/5-10/225   | 100mm            | 225mm     | 15             | 5-10                | 30               | 18               |
| GCB/100/11-15/225  | 100mm            | 225mm     | 20             | 11-15               | 28               | 18               |
| GCB/100/16-20/225  | 100mm            | 225mm     | 25             | 16-20               | 18               | 18               |
| GCB/100/21-25/225  | 100mm            | 225mm     | 30             | 21-25               | 18               | 18               |
| GCB/100/26-30/225  | 100mm            | 225mm     | 35             | 26-30               | 16               | 16               |
| GCB/100/31-35/225  | 100mm            | 225mm     | 40             | 31-35               | 16               | 16               |
| GCB/100/36-40/225  | 100mm            | 225mm     | 45             | 36-40               | 16               | 14               |
| GCB/100/41-45/225  | 100mm            | 225mm     | 50             | 41-45               | 16               | 14               |
| GCB/100/46-50/225  | 100mm            | 225mm     | 55             | 56-50               | 16               | 14               |
| GCB/100/51-55/225  | 100mm            | 225mm     | 60             | 51-55               | 14               | 14               |
| GCB/100/56-60/225  | 100mm            | 225mm     | 65             | 56-60               | 14               | 14               |
| GCB/100/61-65/225  | 100mm            | 225mm     | 70             | 61-65               | 14               | 14               |
| GCB/100/66-70/225  | 100mm            | 225mm     | 75             | 66-70               | 12               | 14               |
| GCB/100/71-75/225  | 100mm            | 225mm     | 85             | 71-75               | 12               | 14               |
| <b>Other sizes and DPC widths can be manufactured to suit clients needs or on HYLOAD ; POA</b> |                  |           |                |                     |                  |                  |

# BRIDGE REVEAL CLOSER DPC



## Product & Packaging Information

| PRODUCT REF       | INSULATION WIDTH | DPC WIDTH | THICKNESS (mm) | TO SUIT CAVITY SIZE | LENGTHS PER PACK | PACKS PER PALLET |
|-------------------|------------------|-----------|----------------|---------------------|------------------|------------------|
| GCB/140/5-10/225  | 140mm            | 225mm     | 15             | 5-10                | 30               | 18               |
| GCB/140/11-15/225 | 140mm            | 225mm     | 20             | 11-15               | 28               | 18               |
| GCB/140/16-20/225 | 140mm            | 225mm     | 25             | 16-20               | 18               | 18               |
| GCB/140/21-25/225 | 140mm            | 225mm     | 30             | 21-25               | 18               | 18               |
| GCB/140/26-30/225 | 140mm            | 225mm     | 35             | 26-30               | 16               | 16               |
| GCB/140/31-35/225 | 140mm            | 225mm     | 40             | 31-35               | 16               | 16               |
| GCB/140/36-40/225 | 140mm            | 225mm     | 45             | 36-40               | 16               | 14               |
| GCB/140/41-45/225 | 140mm            | 225mm     | 50             | 41-45               | 16               | 14               |
| GCB/140/46-50/225 | 140mm            | 225mm     | 55             | 56-50               | 16               | 14               |
| GCB/140/51-55/225 | 140mm            | 225mm     | 60             | 51-55               | 14               | 14               |
| GCB/140/56-60/225 | 140mm            | 225mm     | 65             | 56-60               | 14               | 14               |
| GCB/140/61-65/225 | 140mm            | 225mm     | 70             | 61-65               | 14               | 14               |
| GCB/140/66-70/225 | 140mm            | 225mm     | 75             | 66-70               | 12               | 14               |
| GCB/140/71-75/225 | 140mm            | 225mm     | 85             | 71-75               | 12               | 14               |
| GCB/200/5-10/337  | 200mm            | 337.5mm   | 15             | 5-10                | 18               | 18               |
| GCB/200/11-15/337 | 200mm            | 337.5mm   | 20             | 11-15               | 18               | 18               |
| GCB/200/16-20/337 | 200mm            | 337.5mm   | 25             | 16-20               | 14               | 18               |
| GCB/200/21-25/337 | 200mm            | 337.5mm   | 30             | 21-25               | 14               | 18               |
| GCB/200/26-30/337 | 200mm            | 337.5mm   | 35             | 26-30               | 12               | 16               |
| GCB/200/31-35/337 | 200mm            | 337.5mm   | 40             | 31-35               | 12               | 16               |
| GCB/200/36-40/337 | 200mm            | 337.5mm   | 45             | 36-40               | 12               | 15               |
| GCB/200/41-45/337 | 200mm            | 337.5mm   | 50             | 41-45               | 12               | 15               |
| GCB/200/46-50/337 | 200mm            | 337.5mm   | 55             | 56-50               | 12               | 15               |
| GCB/200/51-55/337 | 200mm            | 337.5mm   | 60             | 51-55               | 10               | 15               |
| GCB/200/56-60/337 | 200mm            | 337.5mm   | 65             | 56-60               | 10               | 15               |
| GCB/200/61-65/337 | 200mm            | 337.5mm   | 70             | 61-65               | 10               | 15               |
| GCB/200/66-70/337 | 200mm            | 337.5mm   | 75             | 66-70               | 8                | 15               |
| GCB/200/71-75/337 | 200mm            | 337.5mm   | 85             | 71-75               | 8                | 15               |

**Other sizes and DPC widths can be manufactured to suit clients needs or on HYLOAD ; POA**

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.