DACATIE BUILDING SOLUTIONS

FIRE RATED

PRODUCT DATA SHEET

May 2024

DACATIE FIRESOCK – FIRE RATED



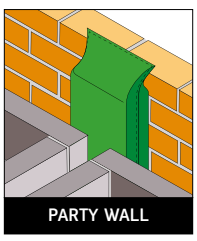
Fire rated and thermal insulated cavity fire socks, highly versatile and widely used, practical on-site solution to close voids at junctions. Designed to prevent fire penetration, aid reduction of sound transmission and help maintain the thermal integrity of the insulation requirements under Building Regulations through wall cavity in masonry, brick and block, timber frame and steel cavity wall structures.

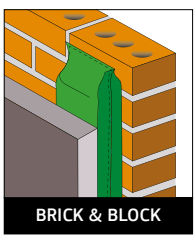
The Dacatie Firesock is a 1.2 m length of semi rigid mineral wool slab fully encapsulated in a recycled polythene printed sleeve, supplied winged.

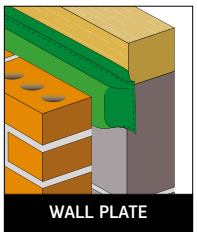
BENEFITS / PROPERTIES

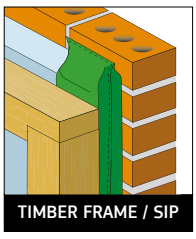
- Economical
- Easy to install
- Can be used for cavity widths from 40 mm to 300 mm
- Will not rot or degrade
- Will not support the growth of fungi, mould, or bacteria
- Chemically inert
- CFC and HCFC free
- Exceeds BREEAM requirements with Zero ODP and GWP classification
- Achieves environmentally conscious design considerations

APPLICATION DETAIL









FIRE PROTECTION PROPERTIES

- Euroclass A1 mineral rock slab conforming to BS EN13501:1.
- Fire test certified to BS EN1366:4 for cavities up to 300mm wide.
- Tested to the principles of BMT/FE/IF/15078 utilising substrates of equal of higher fire rating than the Firesock to achieve Approved Document B 2019 requirements.
- Acts as a fire barrier in line with Building Regulation (Part B 2019)
- Prevents the spread of flames and smoke .
- Non-combustible.

THERMAL PROPERTIES

- Thermal conductivity 0.037 W/mK.
- Provides an efficient perimeter edge seal.
- Achieves Building Regulations L1A and L2A including Section 6 of the Scottish Building Standards.

ACOUSTIC PERFORMANCE

- Reduces the passage of sound along the cavity.
- Effective sound barrier prevents flanking noise in external and separating wall cavities.
- Complies with Approved document E (2014) of the Building Regulations

COMPLIANCE

- Conforms to the requirements set out in Part E of the Robust Details scheme.
- Achieves E-WM 1-21 for masonry in separating and party walls, E-WT 1-4 for timber frame in separating and party walls, and E-FT 1-6 for separating floor applications.
- Compliance with E-FC 1-14 for concrete in separating floor applications.

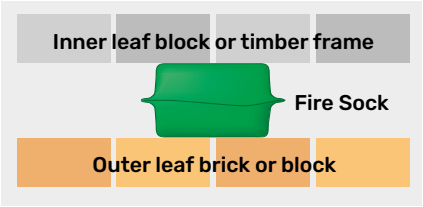
DACATIE
BUILDING SOLUTIONS

FIRE RATED

SIZES & ORDER CODES: (all in 1.2 m length)

INSTALLATION

- Vertical & horizontal application
- Suitable for masonry, blockwork and masonry and timber frame construction
- Compression fit vertically and horizontally during construction, ensuring tight butt joints for fire and acoustic integrity.
- Fill cavity from outer to inner leaf, trimming cavity insulation as needed. For brick/block, fit tightly butted joints.
- In timber frame, fix flanges with clout nails or staples at 150 mm centers. Overlap and tightly butt joint horizontal and vertical barriers.



HANDLING AND STORAGE

- Packaged in outer polythene bags for transportation and easy handling.
- To maintain their quality, it is important to store them in a cool, dry place away from direct sunlight.
- Prolonged exposure to sunlight can cause the plastic to degrade.
- For optimal storage, we recommend covering or storing the goods indoors if they will be standing for an extended period before use.

Have a question?
Want a price?
Need guidance?

Call: 0161 627 4222
Email: info@dacatie.co.uk
Visit: dacatie.co.uk

1 HOUR FIRE INTEGRITY RATING — STANDARD

To Suit Cavity Size (mm)	Actual Size (Compression Fit)	Dacatie Code	Qty per bag	Colour	Qty per Pallet
40-50	65 x 65mm	DFS50-STD	40	RED	15
51-65	75 x 75mm	DFS65-STD	35	LIGHT BLUE	14
66-75	85 x 85mm	DFS75-STD	30	GREY	14
76-90	88 x 100mm	DFS90-STD	24	GREEN	14
91-100	88 x 110mm	DFS100-STD	20	ORANGE	14
101-120	88 x 130mm	DFS120-STD	20	PURPLE	12
121-130	88 x 140mm	DFS130-STD	15	WHITE	15
131-140	88 x 150mm	DFS140-STD	15	YELLOW	15
141-150	100 x 160mm	DFS150-STD	12	PINK	15
151-165	100 x 180mm	DFS165-STD	12	DARK BLUE	15
166-180	120 x 200mm	DFS180-STD	6	CREAM	18
181-200	120 x 220mm	DFS200-STD	6	RED	16
201-220	120 x 240mm	DFS220-STD	4	LIGHT BLUE	16
221-240	120 x 265mm	DFS240-STD	4	GREY	15
241-260	120 x 290mm	DFS260-STD	4	GREEN	15
261-280	120 x 310mm	DFS280-STD	4	LIGHT BLUE	14
281-300	120 x 330mm	DFS300-STD	4	ORANGE	14

2 HOURS FIRE INTEGRITY RATING — DEEP

To Suit Cavity Size (mm)	Actual Size (Compression Fit)	Dacatie code	Qty per bag	Colour	Qty per Pallet
40-50	200 x 65mm	DFS50-200	12	PINK	16
51-65	200 x 75mm	DFS65-200	10	DARK BLUE	14
66-75	200 x 85mm	DFS75-200	10	CREAM	16
76-90	200 x 100mm	DFS90-200	9	RED	14
91-100	200 x 110mm	DFS100-200	9	LIGHT BLUE	14
101-120	200 x 130mm	DFS120-200	6	CREAM	16
121-130	200 x 140mm	DFS130-200	6	RED	16
131-140	200 x 150mm	DFS140-200	6	LIGHT BLUE	14
141-150	200 x 160mm	DFS150-200	6	GREY	14
151-165	200 x 180mm	DFS165-200	4	RED	12
166-180	200 x 200mm	DFS180-200	4	LIGHT BLUE	15
181-200	200 x 220mm	DFS200-200	4	GREY	15
201-220	200 x 240mm	DFS220-200	4	GREEN	14
221-240	200 x 265mm	DFS240-200	4	ORANGE	12
241-260	200 x 290mm	DFS260-200	4	GREY	12
261-280	200 x 310mm	DFS280-200	4	GREEN	11
281-300	200 x 330mm	DFS300-200	3	ORANGE	14

4 HOURS FIRE INTEGRITY RATING — EXTRA DEEP

To Suit Cavity Size (mm)	Actual Size (Compression Fit)	Dacatie code	Qty per bag	Colour	Qty per Pallet
40-50	300 x 65mm	DFS50-300	10	RED	14
51-65	300 x 75mm	DFS65-300	8	LIGHT BLUE	14
66-75	300 x 85mm	DFS75-300	8	GREY	14
76-90	300 x 100mm	DFS90-300	6	RED	14
91-100	300 x 110mm	DFS100-300	6	LIGHT BLUE	14
101-120	300 x 130mm	DFS120-300	4	GREY	15
121-130	300 x 140mm	DFS130-300	4	GREEN	15
131-140	300 x 150mm	DFS140-300	4	ORANGE	15
141-150	300 x 160mm	DFS150-300	4	GREEN	14
151-165	300 x 180mm	DFS165-300	4	GREY	14
166-180	300 x 200mm	DFS180-300	4	GREEN	15
181-200	300 x 220mm	DFS300-300	4	ORANGE	15
201-220	300 x 240mm	DFS220-300	4	ORANGE	16
221-240	300 x 265mm	DFS240-300	4	ORANGE	16
241-260	300 x 290mm	DFS260-300	4	ORANGE	16
261-280	300 x 310mm	DFS280-300	4	ORANGE	16
281-300	300 x 330mm	DFS300-300	4	ORANGE	16

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. Dacatie is not liable for failures due to non-standard usage, gaps caused by deflection or distortion, or improper installation.

D-0012/#02/2024-04