

BARON FireBLOCK

Product Description:

Baron FireBLOCK is manufactured from a robust, resilient rockwool insulation material encapsulated in a dead soft, 50 micron malleable aluminium foil with joins in the foil sealed with a self adhesive aluminium foil tape.

Standard Sizes and Packs:

Thickness (mm)	Width (mm)	Length (mm)	Pieces per pack	Nom. pack weight (kg)
19	75	3600	5	4.7
19	100	3600	5	6.2
19	150	3600	5	9.2
19	200	3600	5	12.2
19	250	3600	5	15.1

Other widths can be manufactured to order, also custom sizes to suit specific fire dampers can be made to order.

Fire Resistance:

Rockwool and tape components when tested in accordance with AS1530 Part 3 exhibit the following Early Fire Hazard Indices:

Ignitability	0	Spread of flame	0
Heat Evolved	0	Smoke developed	0

Corrosion Resistance:

Rockwool is faintly alkaline therefore will not corrode steel. The insulation may contain up to 20ppm soluble chlorine, but as it is encapsulated in aluminium should not be a problem with austenitic stainless steel.

Product Use:

FireBLOCK can be cut to length from rolls to suit the circumference of a damper before installation, the total may be made from multiple lengths of FireBLOCK. The wrap is fitted around the fire damper with joins taped with Baron aluminium foil self adhesive tape. The fire damper is then installed in the penetration.

FireBLOCK can be cut easily with scissors or a knife, open ends should be taped directly after cutting to prevent insulation loss. FireBLOCK can also be installed after a fire damper is in place, care must be taken to ensure the whole space is filled with FireBLOCK.

Ordering Code:

FireBLOCK 75 -	75 x 3600mm
FireBLOCK 100 -	100 x 3600mm
FireBLOCK 150 -	150 x 3600mm
FireBLOCK 200 -	200 x 3600mm
FireBLOCK 250 -	250 x 3600mm

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Baron FireBLOCK is a mineral wool based product manufactured expressly for use as a fire damper installation packing.

Standards Australia's publication AS1682 Fire Dampers Part 2: Installation calls for fire dampers to have the space between the fire damper body and the opening in the penetrated element to be filled with an insulated packing material, viz:

"Insulated packing material around the fire dampers shall be placed in the space between the fire damper and surrounding construction in order to prevent free flow of combustion products. The material shall be packed so that it fills the space uniformly without impairing the operational performance of the fire damper. The material shall maintain its integrity at temperatures up to 1000°C."

Baron FireBLOCK addresses these requirements ideally. The same standard calls for a minimum perimeter clearance of 5mm plus 0.5% of damper width/height. No maximum clearance is nominated. In practice the clearance is generally in the order of 15mm, which the Standard will allow for dampers up to 2000mm width/height.

FireBLOCK has a nominal thickness of 19mm, but its natural resilience allows it to be easily compressed to 15mm or less. Equally by using a size wider than that of the penetrated element, this resilience allows it to be compressed to suit the penetration thickness. This ensures it *"fills the space uniformly"*, whilst this same resilience ensures the packing is pliable enough *"without impairing the operational performance of the fire damper"*. Installations with a clearance space greater than above can have multiple layers of FireBLOCK fitted.

Conventional high density packing does not have the resilience of FireBLOCK.

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