

## ACOUSTIC CAVITY WALL DPC & PARTY WALL PWDPC

### Description

This product comprises of a Rock mineral wool closer manufactured from a Euro class A1 noncombustible Rock slab, This is encapsulated in a recycled plastic 30% pcw (Post consumer waste) 38-micron film. This film will not propagate the spread of flame. In conjunction with this there is an oversized DPC layer (BS6515:84) to one side. The complete Barrier is made and tested in accordance to BSEN1366-4 AND BSEN1361-:2021,

### Applications

This is for party wall or party floor junctions where building regulations require the installation of fire-resistant acoustic insulation. Designed to provide acoustic insulation and prevent fire penetration, the Lancaster Party Wall DPC product range maintains thermal insulation integrity and reduces sound transmission within the cavities of buildings at party wall junctions. Lancaster DPC products are available to fit a wide range of cavity widths within masonry constructions. When installed in the above type of construction Lancaster DPC's meet the insulation requirements of Approved Document L1A (England & Wales: October 2010).

### Installation

Lancaster Party Wall DPC's are designed to be friction fitted, as the block and brickwork proceeds, at the party wall junction within a masonry cavity. Lancaster DPC's do not require any mechanical anchors or fixings. The DPC membrane is placed against the inner face of the external brickwork a overlap joint on the DPC of 100mm is supplied on the length and minimum 40mm on the joint widths, joints should be closely fitted with no visible gaps. It is important that the barrier completely fills the cavity between the brick and the blockwork and cavity insulation material should be cut back to ensure this where necessary.

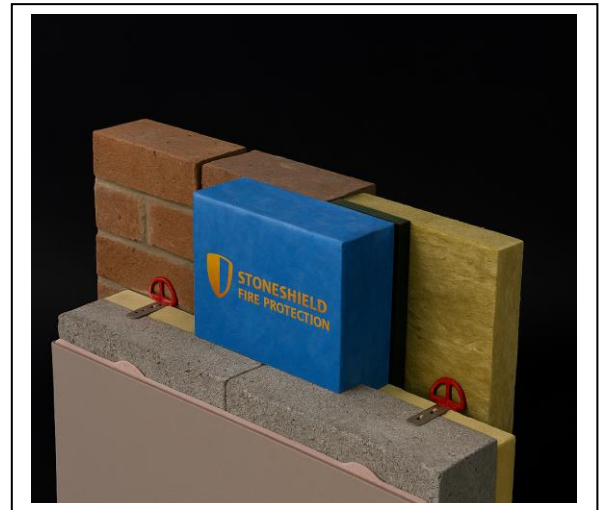
#### Acoustic Performance

Typical acoustic absorption coefficients are given below: -

Thickness		125Hz	250Hz	500Hz	1000Hz	2000Hz
<b>4000Hz</b>						
50mm	1.00	0.20	0.52	0.88	0.98	1.00
100mm	1.01	0.52	0.86	0.96	1.00	1.02
125mm	1.02	0.68	0.95	1.00	1.01	1.03
150mm	1.01	0.70	1.00	1.00	1.02	1.00

**Thermal Conductivity** 0.036W/mK at 10°C  
**Standard Dimensions**

(See Matrix for full listing below) DPC & PWCB



#### DPC

PRODUCT CODE	THICKNESS	WIDTH	DPC	LENGTH	DPCLength
Stoneshield DPC20mm	20MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC30mm	30MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC40mm	40MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC50mm	50MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC60mm	60MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC70mm	70MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC80mm	80MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC90mm	90MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC100mm	100MM	100MM	140MM	1200MM	1300mm
Stoneshield DPC20mm	20MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	30MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	40MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	50MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	60MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	70MM	140MM	180MM	1200MM	1300mm
Stoneshield DPC20mm	80MM	140MM	180MM	1200MM	1300mm

## PERFORMANCE TABLES

### PWCB

PRODUCT CODE	THICKNESS	WIDTH	DPC	LENGTH	DPC Length
Stoneshield PWCB 50mm	50MM	200MM	240MM	1200MM	1300mm
Stoneshield PWCB 90mm	90MM	200MM	240MM	1200MM	1300mm
Stoneshield PWCB 100mm	100MM	200MM	240MM	1200MM	1300mm
Stoneshield PWCB 125mm	125MM	200MM	240MM	1200MM	1300mm
Stoneshield PWCB 150mm	150MM	200MM	240MM	1200MM	1300mm
Stoneshield PWCB 50mm	50MM	250MM	290MM	1200MM	1300mm
Stoneshield PWCB 90mm	90MM	250MM	290MM	1200MM	1300mm
Stoneshield PWCB 100mm	100MM	250MM	290MM	1200MM	1300mm
Stoneshield PWCB 125mm	125MM	250MM	290MM	1200MM	1300mm
Stoneshield PWCB 150mm	150MM	250MM	290MM	1200MM	1300mm
Stoneshield PWCB 50mm	50MM	300MM	340MM	1200MM	1300mm
Stoneshield PWCB 90mm	90MM	300MM	340MM	1200MM	1300mm
Stoneshield PWCB 100mm	100MM	300MM	340MM	1200MM	1300mm
Stoneshield PWCB 125mm	125MM	300MM	340MM	1200MM	1300mm
Stoneshield PWCB 150mm	150MM	300MM	340MM	1200MM	1300mm

