



# GUARDIAN INSULATION SOLUTIONS

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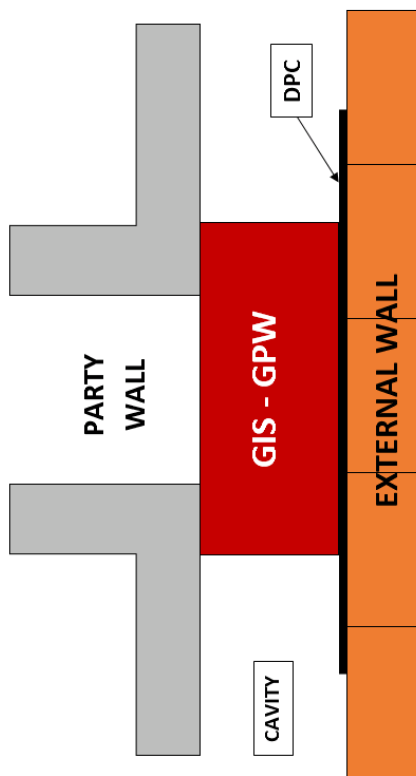
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[www.guardianinsulationsolutions.co.uk](http://www.guardianinsulationsolutions.co.uk)

## SERIES 20 - PARTY WALL DPC

**GIS** Party Wall DPC is designed for vertical application to suit both Masonry/Blockwork and Masonry/Timberframe construction applications. **GIS** Party Wall DPC is designed to prevent the spread of flames and smoke as well as reducing the spread of sound along the cavity at the party wall junction. **GIS** Party Wall DPC is designed to meet current fire and building regulations and are rigorously tested to current accreditation and provides up to 4 hours fire integrity.

**GIS** Party Wall DPC is 1200mm long and is manufactured from Knauf ECOSE Mineral Wool and is encapsulated in recycled plastics on a DPC backing.



## GIS SOCK TECHNICAL DATA

### FIRE

**GIS** Party Wall DPC is manufactured using Knauf ECOSE Rock Slab which has a fire classification of EUROCCASS A1 tested to BSEN13501-1 which is encapsulated in recycled plastic which will not add to the propagation of a fire the DPC backing is made to BS6515:84. All **GIS** Party Wall DPC is tested in application to BSEN1366-4 as was BS476: Part 20 using current fire test methods.

### ACOUSTICS

**GIS** Party Wall DPC meets the generic requirements for the prevention of flanking noise transmission, along external walls and party wall cavities. Meeting approved document E of the building regulations.

### THERMAL

**GIS** Party Wall DPC have a thermal conductivity of 0.035W/mK and when fitted will provide an effective perimeter edge seal as stated in building regulations L1A and L2A as well as meeting section 6 of the Scottish building standards.

### COMPLIANCE

**GIS** Party Wall DPC when correctly fitted meet the requirements laid out in part E of robust detail.

For masonry in a separating wall/party wall, E-WM 1-21 is met.

For Timber Frame in a separating wall/party wall E-WT 1-4 is met and in a separating floor application E-FT 1-6 is met.

For concrete in separating floor applications E-FC 1-14 is met.

**GIS** Party Wall DPC are 1200mm long as standard however other lengths and custom made sizes are available P.O.A.





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## ENVIRONMENT

Guardian Insulation Solutions Environmental policy is designed to reduce waste and reduce our carbon footprint. All products used are chosen for helping us, as a company, to achieve this goal. The KNAUF INSULATIONS ECOSE mineral wool slab meets these requirements. The ECOSE technology used is the first organic binder in the UK for mineral wool. The ECOSE slabs are free from CFCs, HCFCs and contain no other material elements which have ozone depletion potential. Thus they exceed the requirements of BREEAM entering a classification of ZERO ODP as well as ZERO GWP. Where low environmental impact is a key design consideration these products help achieve this goal.



## GIS PARTY WALL DPC INSTALLATION

GIS 1200mm long Party Wall DPC can be used in both brick/block and brick/timber frame party wall applications.

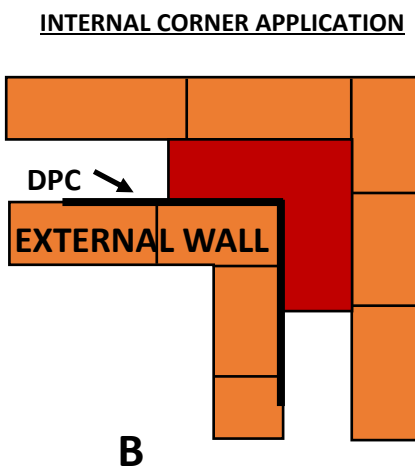
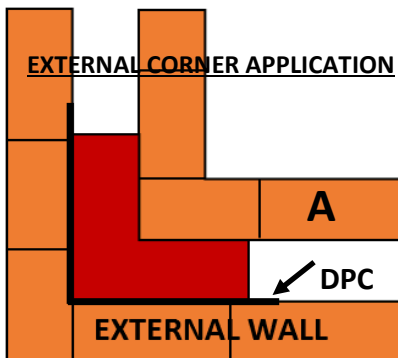
When installing GIS Party Wall DPC they are designed to be compression fitted at the party wall junction vertically during construction. When fitting extra care must be taken to ensure all butt joints are tightly fitted this is to maintain the fire and acoustic integrity of the product. A minimum of 50mm overlap with the party wall leaf on either side of the party wall cavity must be maintained to meet current fire and acoustic requirements.

It is critical that the GIS Party Wall DPC fills the cavity from the rear of the outer leaf to the face of the inner leaf, any cavity insulation must be cut back at either side of the party wall in the outer cavity to allow this fitting method.

When fitting vertically the 100mm end lap must be fitted at the bottom, then as the build progresses the lap forms a continual barrier preventing the ingress of moisture.

## GIS PARTY WALL DPC HANDLING

GIS Party Wall DPC are packaged in outer polythene bags for transport and ease of handling. The product must not be stored in direct sunlight as this may cause the plastic to degrade. It is recommended that the goods are covered or stored indoors if standing for a period of time prior to use. Local delamination from the DPC may occur during handling this does not affect the performance of the product when fitted as it is under compression. Internal and external corners are two piece sets, price on application see drawings A & B.



SUIT CAVITY SIZE mm	GPW STANDARD RANGE ON 337mm DPC				GPW 300mm WIDE RANGE ON 450mm DPC			
	ORDER REF	PACK QTY	TOTAL mm THICKNESS	PACKS PER PALLET	ORDER REF	PACK QTY	TOTAL mm THICKNESS	PACKS PER PALLET
41-50	GPW/41-50	8	60	18	GPW300/41-50	8	60	14
51-60	GPW/51-60	8	70	18	GPW300/51-60	8	70	14
61-65	GPW/61-65	8	75	18	GPW300/61-65	8	75	14
66-75	GPW/66-75	8	85	18	GPW300/66-75	8	85	14
76-80	GPW/76-80	6	90	18	GPW300/76-80	6	90	14
81-85	GPW/81-85	6	95	18	GPW300/81-85	6	95	14
86-90	GPW/86-90	6	100	18	GPW300/86-90	6	100	14
91-95	GPW/91-95	6	105	18	GPW300/91-95	6	105	14
96-100	GPW/96-100	6	110	18	GPW300/96-100	6	110	14
101-110	GPW/101-110	6	120	16	GPW300/101-110	6	120	14
111-115	GPW/111-115	4	125	16	GPW300/111-115	4	125	15
116-120	GPW/116-120	4	130	16	GPW300/116-120	4	130	15
121-125	GPW/121-125	4	135	16	GPW300/121-125	4	135	15
126-130	GPW/126-130	4	140	15	GPW300/126-130	4	140	15
131-135	GPW/131-135	4	145	15	GPW300/131-135	4	145	15
136-140	GPW/136-140	4	150	15	GPW300/136-140	4	150	15
141-145	GPW/141-145	4	155	15	GPW300/141-145	4	155	15
146-150	GPW/146-150	4	160	15	GPW300/146-150	4	160	15
SUIT CAVITY SIZE mm	GPW 450mm WIDE RANGE ON 600mm DPC				GPW 600mm WIDE RANGE ON 750mm DPC			
	ORDER REF	PACK QTY	TOTAL mm THICKNESS	PACKS PER PALLET	ORDER REF	PACK QTY	TOTAL mm THICKNESS	PACKS PER PALLET
41-50	GPW450/41-50	5	60	16	GPW600/41-50	5	60	
51-60	GPW450/51-60	5	70	16	GPW600/51-60	5	70	
61-65	GPW450/61-65	4	75	16	GPW600/61-65	4	75	
66-75	GPW450/66-75	4	85	16	GPW600/66-75	4	85	
76-80	GPW450/76-80	3	90	16	GPW600/76-80	3	90	
81-85	GPW450/81-85	3	95	14	GPW600/81-85	3	95	
86-90	GPW450/86-90	3	100	14	GPW600/86-90	3	100	
91-95	GPW450/91-95	3	105	14	GPW600/91-95	3	105	
96-100	GPW450/96-100	3	110	14	GPW600/96-100	3	110	
101-110	GPW450/101-110	3	120	14	GPW600/101-110	3	120	
111-115	GPW450/111-115	3	125	14	GPW600/111-115	3	125	
116-120	GPW450/116-120	3	130	12	GPW600/116-120	3	130	
121-125	GPW450/121-125	3	135	12	GPW600/121-125	3	135	
126-130	GPW450/126-130	2	140	12	GPW600/126-130	2	140	
131-135	GPW450/131-135	2	145	12	GPW600/131-135	2	145	
136-140	GPW450/136-140	2	150	12	GPW600/136-140	2	150	
141-145	GPW450/141-145	2	155	12	GPW600/141-145	2	155	
146-150	GPW450/146-150	2	160	12	GPW600/146-150	2	160	