



# GUARDIAN INSULATION SOLUTIONS

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## SERIES 10 - DUO CAVITY SOCKS

**GIS Duo Cavity Socks** are designed to suit both Masonry/Blockwork and Masonry/Timber frame construction applications. **GIS Duo Cavity Socks** are designed to prevent the spread of flames and smoke as well as reducing the spread of sound along the cavity. **GIS Duo Cavity Socks** are designed to meet current fire and building regulations and are rigorously tested to current accreditation and provides up to 4 hours fire integrity.

**GIS Duo Cavity Socks** are 1200mm long and are manufactured from Knauf ECOSE™ Mineral Wool and are encapsulated in recycled plastic.



## GIS DUO SOCK TECHNICAL DATA

### FIRE

**GIS Duo Cavity Socks** are 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. All **GIS Duo Cavity Socks** are tested in application to BSEN1366-4 as was BS476: Part 20 using current fire test methods. Tested for cavities up to 300mm wide both Vertical & Horizontal uses test report BMT/FE/IF/15078

### ACOUSTICS

**GIS Duo Cavity Socks** meet the generic requirements for the prevention of flanking noise transmission, along external and separating wall cavities. Meeting approved document E (2014) of the building regulations, for England, Wales & Ireland. (based on width range for application 100mm/200mm/250mm/300mm or 450mm wide

**GIS Duo Cavity Socks** have a thermal conductivity of 0.037W/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 Duo Cavity Socks** 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 Duo Socks** are 1200mm long as standard however other lengths and custom made sizes are available P.O.A.





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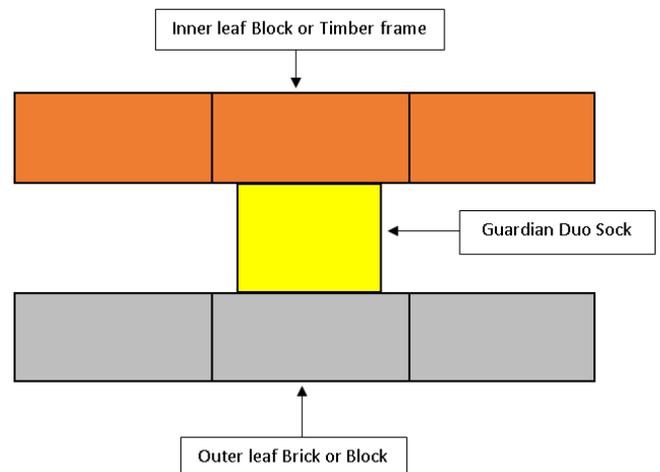
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## ENVIRONMENT

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 DUO SOCK INSTALLATION

GIS 1200mm long Duo Socks can be used in both brick/block and brick/timberframe applications.

When installing GIS Duo Socks they are designed to be compression fitted both vertically and horizontally 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.

It is critical that the GIS Duo Sock fills the cavity from the rear of the outer leaf to the face of the inner leaf, any cavity insulation must be cut back to allow this fitting method. For brick to block and brick to brick they are fitted as the structure is built ensuring all joints are tightly butted.

When using GIS Duo Socks in a timberframe application the flanges must be fixed to the timberframe using a large clout head nail or staple at a minimum of 150mm centres. When in a vertical application both flanges must be fixed at 150mm centres alternatively. For a horizontal application only the top flange should be fixed the same way when factory fitted. On site the application can be as above for brick to block.

When fixing around door and window apertures we recommend that the horizontal barrier should always overlap the vertical barrier ensuring it is tightly butt jointed.

## GIS DUO SOCK HANDLING

GIS Duo Socks 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.



SUIT CAVITY SIZE mm	GDS100 STANDARD RANGE				GDS200 200mm WIDE RANGE			
	ORDER REF	PACK QTY	COLOUR	PALLET QTY PK	ORDER REF	PACK QTY	COLOUR	PALLET QTY PK
21-39	GDS100/21-39	50	RED	15	GDS200/21-39	12	YELLOW	16
40-50	GDS100/40-50	40	RED	15	GDS200/40-50	12	PINK	16
51-65	GDS100/51-65	35	L BLUE	14	GDS200/51-65	10	D BLUE	14
66-75	GDS100/66-75	30	GREY	14	GDS200/66-75	10	CREAM	16
76-90	GDS100/76-90	24	GREEN	14	GDS200/76-90	9	RED	14
91-100	GDS100/91-100	20	ORANGE	14	GDS200/91-100	9	L BLUE	14
101-120	GDS100/101-120	20	PURPLE	12	GDS200/101-120	6	CREAM	16
121-130	GDS100/121-130	15	WHITE	15	GDS200/121-130	6	RED	16
131-140	GDS100/131-140	15	YELLOW	15	GDS200/131-140	6	L BLUE	14
141-150	GDS100/141-150	12	PINK	15	GDS200/141-150	6	GREY	14
151-165	GDS100/151-165	12	D BLUE	15	GDS200/151-165	4	RED	12
166-180	GDS100/166-180	6	CREAM	18	GDS200/166-180	4	L BLUE	15
181-200	GDS100/181-200	6	RED	16	GDS200/181-200	4	GREY	15
201-220	GDS100/201-220	4	L BLUE	16	GDS200/201-220	4	GREEN	14
221-240	GDS100/221-240	4	GREY	15	GDS200/221-240	4	ORANGE	12
241-260	GDS100/241-260	4	GREEN	15	GDS200/241-260	4	GREY	12
261-280	GDS100/261-280	4	ORANGE	14	GDS200/261-280	4	GREEN	11
281-300	GDS100/281-300	4	PURPLE	14	GDS200/281-300	3	ORANGE	14

SUIT CAVITY SIZE mm	GDS300 300mm WIDE RANGE				GDS380 380mm WIDE RANGE			
	ORDER REF	PACK QTY	COLOUR	PALLET QTY PK	ORDER REF	PACK QTY	COLOUR	PALLET QTY PK
21-39	GDS300/21-39	10	CREAM	14	GDS380/21-39	8	RED	
40-50	GDS300/40-50	10	RED	14	GDS380/40-50	8	L BLUE	
51-65	GDS300/51-65	8	L BLUE	14	GDS380/51-65	6	GREY	
66-75	GDS300/66-75	8	GREY	14	GDS380/66-75	6	GREEN	
76-90	GDS300/76-90	6	RED	14	GDS380/76-90	6	ORANGE	
91-100	GDS300/91-100	6	L BLUE	14	GDS380/91-100	6	PURPLE	
101-120	GDS300/101-120	4	GREY	15	GDS380/101-120	4	GREEN	
121-130	GDS300/121-130	4	GREEN	15	GDS380/121-130	4	ORANGE	
131-140	GDS300/131-140	4	ORANGE	15	GDS380/131-140	4	PURPLE	
141-150	GDS300/141-150	4	PURPLE	14	GDS380/141-150	4	WHITE	
151-165	GDS300/151-165	4	GREY	14	GDS380/151-165	4	ORANGE	
166-180	GDS300/166-180	4	GREEN	15	GDS380/166-180	4	PURPLE	
181-200	GDS300/181-200	4	ORANGE	15	GDS380/181-200	4	WHITE	
201-220	GDS300/201-220	4	PURPLE	16	GDS380/201-220	4	PURPLE	
221-240	GDS300/221-240	4	ORANGE	16	GDS380/221-240	4	WHITE	
241-260	GDS300/241-260	4	PURPLE	16	GDS380/241-260	4	PURPLE	
261-280	GDS300/261-280	4	WHITE	16	GDS380/261-280	4	WHITE	
281-300	GDS300/281-300	4	PURPLE	16	GDS380/281-300	4	PURPLE	