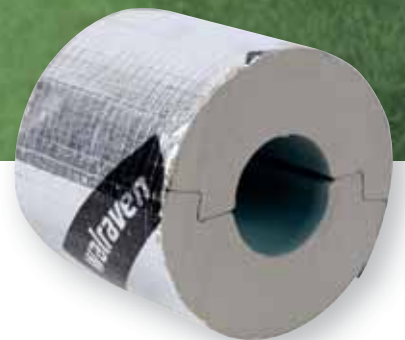


High performance
insulated pipe supports



BIS Phenblox[®]

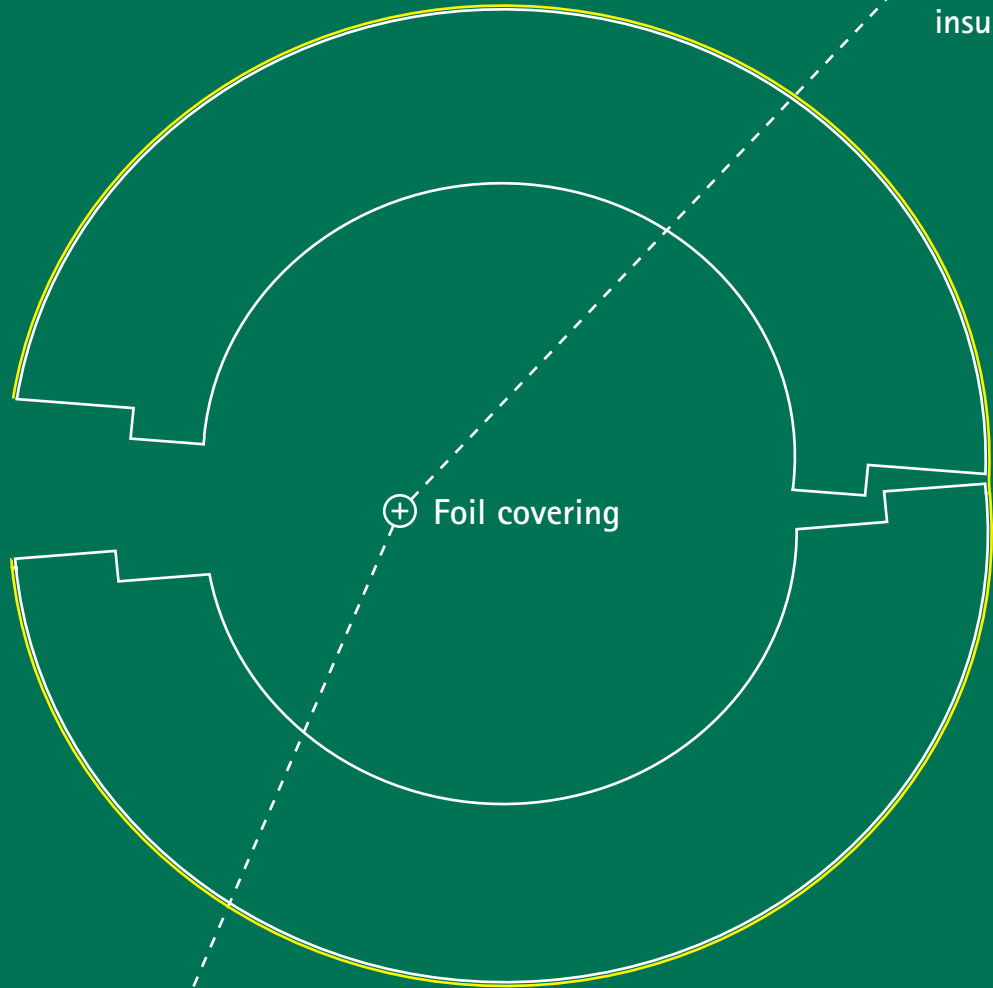
CE marked insulation blocks



Walraven Insulating
Pipe Support



⊕ CE Marked
insulation blocks



⊕ Foil covering

⊕ Metal spreader plate
above 50 Nb

⊕ Fire rated
Class BL-S1,d0

Inspired by smart solutions from the start

Walraven is a globally active company in the installation industry, founded in 1942. We have always been dedicated to make the work of our customers easier and more effective. With simple and smart solutions, comprehensive services and excellent support.
Walraven. The value of smart



Phenolic supports and BS 5970:2012

The primary function of an insulated pipe support insert is to isolate the pipework from the pipe support to limit heat transfer to and from the pipework system and limit thermal bridging as stated in BS 5970:2012 Clause 27.7. Phenolic is the most efficient product commonly available for insulating pipework.

Previous advice that permitted the use of wooden pipe support inserts has been removed from BS 5970 and replaced with a warning that 'Wooden pipe supports should not be used'. The reasons for this include poorer thermal properties, the increased risk of condensation forming on wood blocks, and the difficulty of maintaining effective vapour barriers.

Declaration of Performance (DoP) and CE Marking

Construction Products Regulations (CPR) have introduced a pan European system of Harmonised European Standards (hEN) to set benchmark specifications for individual product types like phenolic foam used in building services applications. EN14314 is the specification for phenolic. CE Marking verifies that 'the manufacturer has strictly followed all the applicable procedures' for drawing up a DoP in accordance with EN14314:2009 + A1:2013

BIS Phenblox® are CE marked in accordance with EN14314:2009 + A1:2013

BIS Phenblox® Selection Chart

This chart is designed to help you select the right clamp and insulation block combination.

- Step 1: Select insulation thickness (BIS Phenblox®)
- Step 2: Select matching clamp for your needs (2S Clamp, BIS HD 500 Clamp or Split Band Clip)

Pipe Size NB	Size (mm)	Cu	Product Type	Insulation thickness					
				15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
-	-	15	Phenblox	8901015015	8901020015	8901025015	8901030015	8901040015	8901050015
			2S Clamp	33035046	33035061	33035067	33035081	33035095	33035118
			HD 500 Clamp	33038045	33038058	33038065	33048078	33048106	33048116
			Split Band Clip	B4093046	B4093056	B4093070	B4093077	B4093096	B4093122
15	21	22	Phenblox	8901015021	8901020021	8901025021	8901030021	8901040021	8901050021
			2S Clamp	33035052	33035061	33035074	33035081	33035103	33035127
			HD 500 Clamp	33038052	33038065	33038071	33048085	33048106	33048123
			Split Band Clip	B4093053	B4093063	B4093073	B4093081	B4093103	B4093122
20	27	28	Phenblox	8901015027	8901020027	8901025027	8901030027	8901040027	8901050027
			2S Clamp	33035061	33035067	33035081	33035087	33035112	33035127
			HD 500 Clamp	33038058	33038071	33048078	33048092	33048106	33048133
			Split Band Clip	B4093063	B4093070	B4093077	B4093089	B4093109	B4093127
25	34	35	Phenblox	8901015034	8901020034	8901025034	8901030034	8901040034	8901050034
			2S Clamp	33035067	33035074	33035087	33035095	33035118	33035137
			HD 500 Clamp	33038065	33048078	33048085	33048092	33048116	33048140
			Split Band Clip	B4093070	B4093077	B4093089	B4093096	B4093122	B4093139
32	42	42	Phenblox	8901015042	8901020042	8901025042	8901030042	8901040042	8901050042
			2S Clamp	33035074	33035087	33035095	33035103	33035127	33035144
			HD 500 Clamp	33048078	33048085	33048092	33048106	33048123	33048140
			Split Band Clip	B4093073	B4093083	B4093096	B4093103	B4093122	B4093148
40	48	-	Phenblox	8911015048	8911020048	8911025048	8911030048	8911040048	8911050048
			2S Clamp	33035081	33035095	33035103	33035112	33035137	33035153
			HD 500 Clamp	33048078	33048092	33048106	33048116	33048133	33048154
			Split Band Clip	B4093081	B4093089	B4093103	B4093109	B4093132	B4093152
-	-	54	Phenblox	8911015054	8911020054	8911025054	8911030054	8911040054	8911050054
			2S Clamp	33035087	33035095	33035112	33035118	33035137	33035162
			HD 500 Clamp	33048085	33048092	33048106	33048116	33048140	33048154
			Split Band Clip	B4093089	B4093096	B4093109	B4093114	B4093139	B4093159
50	60	-	Phenblox	8911015060	8911020060	8911025060	8911030060	8911040060	8911050060
			2S Clamp	33035095	33035103	33035112	33035127	33035144	33035162
			HD 500 Clamp	33048092	33048106	33048116	33048123	33048140	33048169
			Split Band Clip	B4093096	B4093103	B4093114	B4093122	B4093148	B4093168
-	-	66	Phenblox	8911015066	8911020066	8911025066	8911030066	8911040066	8911050066
			2S Clamp	33035103	33035112	33035118	33035127	33035153	33035172
			HD 500 Clamp	33048106	33048106	33048116	33048133	33048154	33048169
			Split Band Clip	B4093096	B4093109	B4093122	B4093127	B4093148	B4093168

BIS Phenblox®



- Load bearing insulation block
- Self-adhesive closure tab
- Stepped joint faces
- CE Marked

2S Clamps (M8/10)



- 2 screw clamp
- Screws secured with anti-loss washer
- Zinc plated finish

BIS HD 500 Clamps



- Heavy duty
- CO₂ welded connection nut
- Captive locking nuts and bolts
- BIS UltraProtect® 1000 (BUP) coating

Split Band Clips



- 2 piece clamp
- Zinc plated finish

Insulation thickness

Pipe Size NB	Size (mm)	Size (Cu)	Product Type	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
65	76	76	Phenblox	8911015076	8911020076	8911025076	8911030076	8911040076	8911050076
			2S Clamp	33035112	33035118	33035127	33035137	33035162	33035183
			HD 500 Clamp	33048106	33048116	33048133	33048140	33048154	33048183
			Split Band Clip	B4093109	B4093122	B4093127	B4093139	B4093159	B4093180
80	89	-	Phenblox	8911015089	8911020089	8911025089	8911030089	8911040089	8911050089
			2S Clamp	33035127	33035137	33035144	33035153	33035172	33035194
			HD 500 Clamp	33048123	33048133	33048140	33048154	33048169	33048202
			Split Band Clip	B4093122	B4093132	B4093139	B4093152	B4093172	B4093190
-	-	108	Phenblox	8911015108	8911020108	8911025108	8911030108	8911040108	8911050108
			2S Clamp	33035144	33035153	33035162	33035172	33035194	33035216
			HD 500 Clamp	33048140	33048154	33048169	33048169	33048202	33048219
			Split Band Clip	B4093139	B4093148	B4093159	B4093168	B4093190	B4093212
100	114	-	Phenblox	8911015114	8911020114	8911025114	8911030114	8911040114	8911050114
			2S Clamp	33035144	33035162	33035172	33035183	33035194	33035216
			HD 500 Clamp	33048140	33048154	33048169	33048183	33048202	33048219
			Split Band Clip	B4093148	B4093159	B4093168	B4093180	B4093196	B4093220
-	-	133	Phenblox	8911015133	8911020133	8911025133	8911030133	8911040133	8911050133
			2S Clamp	33035172	33035183	33035183	33035194	33035216	N/A
			HD 500 Clamp	33048169	33048183	33048183	33048202	33048219	33068241
			Split Band Clip	B4093168	B4093172	B4093180	B4093196	B4093220	B4093240
125	140	-	Phenblox	8911015140	8911020140	8911025140	8911030140	8911040140	8911050140
			2S Clamp	33035172	33035183	33035194	33035205	33035225	N/A
			HD 500 Clamp	33048169	33048183	33048202	33048202	33068227	33068254
			Split Band Clip	B4093172	B4093180	B4093190	B4093202	B4093220	B4093240
-	-	159	Phenblox	8911015159	8911020159	8911025159	8911030160	8911040159	8911050159
			2S Clamp	33035194	33035205	33035216	33035225	N/A	N/A
			HD 500 Clamp	33048202	33048202	33048219	33048219	33068254	33068279
			Split Band Clip	B4093190	B4093202	B4093212	B4093220	B4093240	B4093260
150	168	-	Phenblox	8911215168	8911220168	8911225168	8911230168	8911240168	8911250168
			2S Clamp	33035205	33035216	33035225	N/A	N/A	N/A
			HD 500 Clamp	33048202	33048219	33048219	33068227	33068254	33068279
			Split Band Clip	B4093202	B4093212	B4093220	B4093232	B4093250	B4093270

Wood blocks and Calcium Silicate also available.



Need advice?

Contact our Technical Team for advice regarding the use of insulated pipe supports. Call 01295 753 400 or send an e-mail to technical.uk@walraven.com

BIS Phenblox®

Features and benefits

Sizes

- Available in a range of thicknesses from 15 mm up to 50 mm to suit different performance specifications
- Special sizes may be available on request
- Metal spreader plate included if above 50NB

Moisture resistance

- Factory-applied foil covering acts as highly effective vapour barrier
- Stepped joint faces ensure vapour seal and accurate location
- Closed cell structure resists moisture absorption and mould

Reaction to Copper Pipes

- BIS Phenblox® contains a passivating agent throughout the foam material
- Factory-applied bore coating to all our Phenblox ensures there is no corrosion of copper pipes

Certifications

- CE Marked in accordance with BS EN 14314:2009 + A1:2013
- Made in accordance with our ISO 9001:2015 accreditation

How to install



1. Ensure correct size of block. Lift sealing tag, open block and position around pipe.



2. Close block around pipe and re-seal tag.



3. Slide block to correct position, ensuring stepped joint is in a horizontal position.



4. Fit pipe clamp and drop rod. Insulation can be applied to pipe and vapour sealed.

High density

- BIS Phenblox® is manufactured to the following densities:
 - <111 mm OD pipe, 60 kg/m³
 - 111 to 169 mm OD pipe, 80 kg/m³
 - >170 mm OD pipe, 120 kg/m³

Fire resistance

- BIS Phenblox® has a densely cross-linked structure that makes it difficult to ignite when subjected to fire. It has achieved a European Reaction to Fire rating of Class BL-S1,d0
- Temperature resistance from -50°C to +110°C

Thermal performance

- With a 25-year aged thermal conductivity of 0.030 to 0.032 W/m K at 10°C, Phenolic is the most thermally efficient insulation material commonly used
- A low thermal conductivity allows specified thermal performance standards to be achieved with thinner insulation
- Closed cell structure optimised to resist heat transfer
- Free from CFC's and HCFC's

Find out how we can support you

Would you like to find out more about any of the solutions described in this brochure?
Or would you like to discuss how we could help you find the best possible solution for your project? Get in touch today!

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