Polymeric Preformed Pipe Barrier

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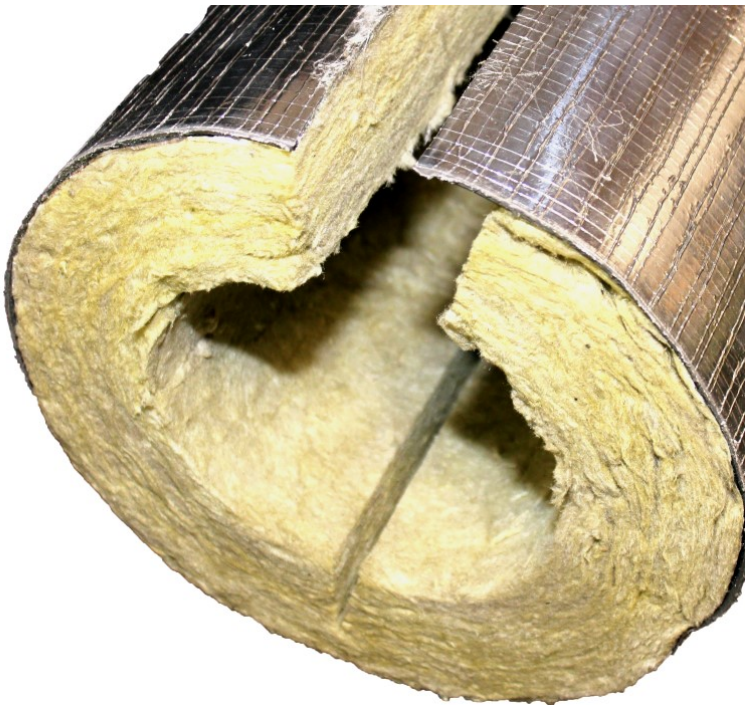
GIS-PPB is a factory manufactured acoustic barrier made from a lead free polymeric core faced with class O reinforced aluminium foil pre-bonded to plain rock mineral or glass mineral pre-formed pipe section. CLADFACE-CLO Class O foil is in silver or black/white lacquered finishes. Also available is fully external CLAD-FACE-EXTHT in white, black or grey with a 10 year UV guarantee. This is also suitable for use in areas where hygiene and cleaning is critical.



PRODUCT FUNCTION

GIS-PPB is a cost effective acoustic lagging solution with a wide variety of applications including lagging air-conditioning pipes, soil pipes, water pipes and any others with internal and external finishes available.

FINISHES AVAILABLE

1) Standard silver Class O foil faced polymeric
2) Class O faced foil faced in black or white lacquered foils
3) Class O faced in red or blue lacquered faces (special order only)
4) CLADFACE -EXTHT is an external grade weather-proof foil in white plain, plain silver, black PF or a stucco style finish
5) Black or white glass woven cloth finish
6) PIB covered for external use with joint strips supplies
7) Can be supplied on rectangular or square made in two half (special order)
8) CLADFACE-EXTHT tapes are available self adhesive in 70mm and 100mm widths in white black and grey.

TECHNICAL DATA

GIS-PPB polymeric core is available in 3kgm2, 5kgm2, 7.5kgm2 and 10kgm2 density which is manufactured from high density polymer. The class O foil facing is tested to BS476 Parts 6 and 7. The polymeric is rated to ISO 1182 for fire classification. **PPB** has a thermal conductivity of 0.033/0.035 W/mk. The operating temperature is dependant on the wall thickness of the section used. All joints must be tightly belted and taped to ensure the continuation of the vapour barrier. Sheet steel for polymeric based on 0.75mm. White and black joint tapes are available in 50, 75 and 100mm wide. CLADFACE-CLO for class O foils is compatible with the lacquered finishes of the white and black class O foil.

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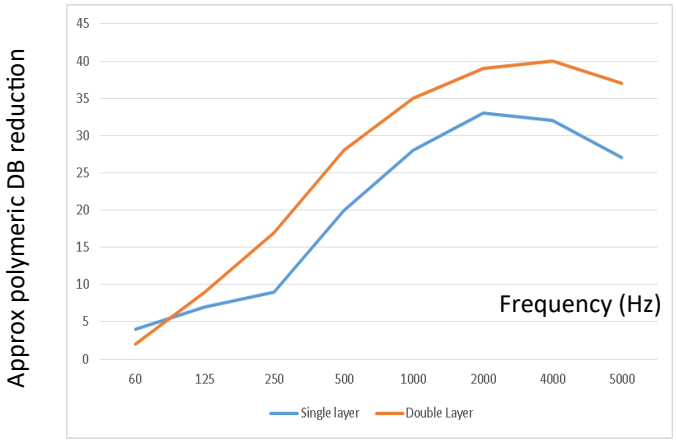
MATERIALS AVAILABLE

Glass Wool

Glass wool pipe sections have wall thicknesses of 20mm to 100mm to suit various OD pipes and is in 1200mm lengths only. The glass mineral wool of the pipe section is classified as non-combustible to BS476: Part 4: 1970 (1984) and Class 1 surface spread of flame to BS476: Part 7 1997. The glass mineral wool and the foil facing comply with the class O requirements of the building regulations when tested to BS476: Part 6: 1989 and Part 7: 1997. Glass mineral wool has a thermal conductivity range from 0.033 w/mk at a mean temperature of 10 Degrees Celsius through to 0.052 w/mk at a mean temperature of 100 Degrees Celsius. A high durability is achieved as the product is rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria as well as being odourless and non hygroscopic. Glass wool has a thermal conductivity of 0.035 W/mk at a mean temperature of 25 Degrees Celsius and a W/mk of 0.52 at a mean temperature of 100 Degrees Celsius. The product is suitable for continuous operating temperatures of 230 Degrees Celsius.

Rock Mineral Wool

Rock mineral wool pipe sections have wall thicknesses of 20mm to 100mm to suit various OD pipes and is in 1000mm or 1200mm lengths stock dependant on size. The inorganic rock mineral wool of the pipe section is classified as non-combustible to BS3533: 1981 and BS3958 Part 5 as well as meeting BS5422 and BS5970. Also class 1 surface spread of flame to BS476: Parts 4 & 7. The rock mineral wool complies with the class O requirements of the building regulations when tested to BS476: Part 4: 1997 and Part 7: 1997. Rock mineral wool has a thermal conductivity range from 0.033 W/mk at a mean temperature of 10 Degrees Celsius through to 0.05 W/mk at a mean temperature of 100 Degrees Celsius. A high durability is achieved as the product is rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria as well as being odourless and non hygroscopic. Rock mineral wool has a thermal conductivity of 0.033 W/mk at a mean temperature of 25 Degrees Celsius and a W/mk of 0.52 at a mean temperature of 100 Degrees Celsius. The product is suitable for continuous operating temperatures of 300 Degrees Celsius.



Above graph is based on 5kg polymeric

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