

Polymeric Barrier Quilt

Date: 19/01/2021

Reference: 26

Issue: 1



GIS-PBQ is a range of a three or four part laminate. The acoustic barriers core product is made from a lead free polymeric.

A range of facings are available including glass fibre duct quilt, ECOSE rock lamella, Class O Acoustic Foam and felt.

PRODUCT FUNCTION

GIS-PBQ is a cost effective acoustic lagging solution with a wide variety of applications including pump covering, motor housing linings, on pipes and ducting, acoustic factory screens, for boats and offshore and many more.

FINISHES AVAILABLE

All finishes can be bonded top one side of the polymeric or have the polymeric as a core ON standard or mouldable base polymeric

- 1) Glass 24/26kgm³ density plain or foil faced duct roll with silver, black or white class O foil facing as well as external CLADFACE.
- 2) Lamella cut ECOSE rock 45kgm³, 60kgm³ or 80kgm³ density un-faced to one side of the polymeric with silver, black or white class O foil facing as well as external CLADFACE.
- 3) A class O rated hygienic foam plain or foil faced with silver, black or white class O foil facing as well as external CLADFACE.
- 4) An industrial recycled felt can be used plain un-faced or foil faced with a silver, black or white class O foil facing.
- 5) Other facings to meet customers specific requirements can be sourced.



TECHNICAL DATA

GIS-PBQ STANDARD BLACK CORE (Also available on request is NEW HIGH TECH **MOULDABLE CORE** this is very flexible and can be to a degree be shaped round valve and bends easier) is a polymeric material available in 3kgm², 5kgm², 7.5kgm² and 10kgm² density it has a class O foil face on one side thus it is classified as FMUSS/302 self extinguishing (it will not support the spread of flames). Both the glass duct and the rock lamella cut slab backing are classified EUROCLASS A1 none combustible to BSENISO 13501. Class O foil is rated under BS476-Part 1.

GIS-PBQ is rot-proof, odourless, non-hydroscopic, and will not sustain vermin or encourage the growth of fungi, mould or bacteria. The product is dimensionally stable under varying conditions of temperature and humidity as well as being compatible with all surfaces on which this product is likely to be used, in normal applications. The polymeric barrier operated at temperatures between -30°C and +250°C this is dependant on the type of backing and thickness. It is resistant to chemicals such as oils, fuels, water and most solvents.

Contact:
sales@gisuk.co
Tel: 01827 219327

Address:
William Nadin Way, Swadlincote,
Derbyshire, DE11 0BB

Polymeric Barrier Quilt

Date: 19/01/2021

Reference: 26

Issue: 1



FITTING

GIS-PBQ is designed to be easily fitted around pipes, ducts, engine housings, motor housings, ceilings and any other source of high noise where a reduction is required. A range of foil tapes that are compatible with the white and black lacquer foils in 50mm, 75mm and 100mm wide are available. State if the mouldable core is required when ordering and pricing, otherwise standard black core is supplied on orders by us as standard product



STANDARD SIZES AVAILABLE

2000mm x 1200mm x 3kgm³

2000mm x 1200mm x 5kgm³

2000mm x 1200mm x 7.5kgm³

2000mm x 1200mm x 10kgm³

These can be cut to size for site convenience if needed. The glass duct backing is available in 25mm thick plain or silver foiled and 40mm and 50mm thick with silver foil

only. The rock fibre lamella cut is available in thicknesses between 20mm and 100mm to suit customer requirements.

The class O acoustic foam is available in 6mm, 12mm, 20mm and 25mm thicknesses, from stock other available POA

The felt is available to order in 3mm to 20mm thicknesses dependant on availability. POA

Standard Sound Reduction Index (with no supporting materials)

Product	125Hz			250Hz			500Hz			1000Hz			2000Hz			4000Hz		
	G	R	F	G	R	F	G	R	F	G	R	F	G	R	F	G	R	F
5kg with 12mm Backing	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
5kg with 20mm Backing	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
5kg with 25mm Backing	15			17			21			30			37			44		
5kg with 50mm Backing	15			19			24			32			43			48		
10kg with 25mm Backing	19			21			26			33			43			49		
10kg with 50mm Backing	18			22			29			37			48			56		

Contact:
sales@gisuk.co
Tel: 01827 219327

Address:
William Nadin Way, Swadlincote,
Derbyshire, DE11 0BB