POLYMERIC BARRIER MAT

Guardian Insulation Solutions

Date: 27th June 2023   **Reference: 38**   **Issue: 1**

Acoustic building solution

Designed to improve sound reduction by introducing a lead free mass.

- Manufactured using natural minerals and binders to achieve a high mass.

- Can be used as a layer with existing materials or as a composite.

- Effective in reducing coincidence dip resonance when used with lightweight materials.

- Available in plain black or with silver, white, or black class O foil on one side.

- Operating range of -35°C to +65°C and is thermally stable to +90°C in 3kg with a foil face.

- Can provide sound reductions of 6-10dB, 20-22dB, 23-24dB, or 26-28dB per m2, depending on the density.

ISOQAR REGISTERED — UKAS MANAGEMENT SYSTEMS 0026
Certificate number: 17908-EMS-001
ISO 90001 ISO 140001

Exova Warringtonfire

CERTIFIED ISO 14001:2015 COMPANY

POLYMERIC BARRIER MAT

Acoustic Solution for construction applications

Technical Data

FIRE

Thermally stable to +90°C in 3kg with a foil face will give a class O fire rating to suit building regulations.

ACOUSTIC

GIS Barrier Mat variants are based on mean sound reductions per m2 (sealed and fitted correctly with Guardian Acoustic Mastics).

- 2.5kg Plain Barrier 6-10dB
- 5kg Plain Barrier 20-22dB
- 7.5kg Plain Barrier 23-24dB
- 10kg Plain Barrier 26-28dB

Sound Transmission Loss dB (ISO R140)						
Product	100Hz	200Hz	500Hz	1000Hz	2000Hz	4000Hz
5kg Plain	12	12.5	20	28	29	34
10kg Plain	20	20.5	29	31.5	36.5	40

FINISHES AND SIZES

All facings are available in 3kgm2, 5kgm2, 7.5kgm2, 10kgm2 and 15kgm2density standard 2000x1200mm. Available with:

1. Plain polymeric black.
2. Silver class O foil on one side.
3. Black class O foil on one side.
4. White class O foil on one side.

If a self adhesive backing is required please state so at the time of ordering. Other sizes and roll lengths are available on request.