

Noise Barrier / Vinyl Liner Composite

BARYMAT BV-14C

BARYMAT BV-14C is a composite noise barrier / absorption material protected with a perforated vinyl film facing. The composite consists of (from top down) perforated vinyl for scuff, wear and contamination resistance, 1.0 inch of acoustic polyurethane foam for sound absorption, a filled, flexible 1.6 lb. per sq. ft. barrier for transmission loss and a .25 inch polyurethane foam decoupler layer. It is suitable for moderately dirty environments where it is not exposed to contaminants such as direct oil or water spray.

| Frequency (Hz) | Transmission Loss (dB) BV - 14C |
|----------------|------------------------------------|
| 80 | 22 |
| 100 | 23 |
| 125 | 22 |
| 160 | 22 |
| 200 | 22 |
| 250 | 22 |
| 315 | 22 |
| 400 | 27 |
| 500 | 32 |
| 630 | 35 |
| 800 | 40 |
| 1000 | 44 |
| 1250 | 47 |
| 1600 | 51 |
| 2000 | 50 |
| 2500 | 48 |
| 3150 | 53 |
| 4000 | 56 |
| 5000 | 59 |
| 6300 | 59 |

| | |
|------------|-----------|
| STC | 34 |
|------------|-----------|

APPLICATIONS AND PRODUCT DATA

USES

•Noise Enclosure Liner •Engine Compartment Liner •Wall Barrier-Absorber
 BARYMAT BV-14C is easy to apply and can be cut with common utility knives. For secure and permanent installations use specified adhesive – available from Wilrep Ltd.

THICKNESS

BV-14C: Approx. 1.25 in. – overall composite thickness.

STANDARD DIMENSIONS

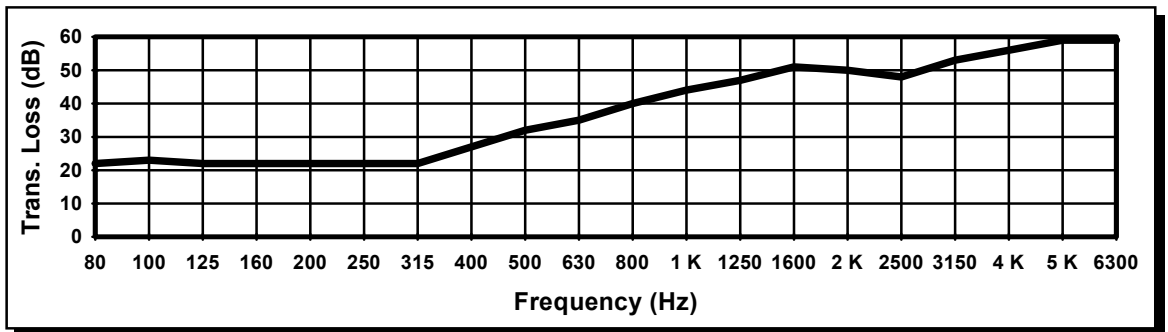
Sheets: 54" wide X 72", untrimmed (27 sq. ft.)
 CUSTOM DIE CUTTING CAN BE PROVIDED

TYPICAL PHYSICAL PROPERTIES

Composite Weight: 1.9 lb. / sq. ft.
Flammability: MVSS 302 – Passes
Foam Density: ASTM D 3574-86 – 1.8 - 2.2 lb. / cu. ft.
Thermal Conductivity of Foam at 75°F (21°C):
 ASTM C 518 – 0.27 Btu. in. / hr. ft.² °F

PERFORMANCE DATA

Performance data is an extract from NRC - Ottawa report on tests according to ASTM E 90-90 with material adhered to 16 ga. steel.



NOTICE Stated performance data is based on recognized testing methods. Product performance can be affected by field conditions and installation methods. Users of these products are responsible for determining suitability for their application and compliance with any legal provisions including those relating to health and safety.

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