VLydall[®]

Thermal and Acoustical Systems dBCore[®] gradient density insulation



dBCore® gradient density insulation is an

engineered all polyester (PET) thermal and acoustic insulation for interior automotive applications which provides significant sound quality and comfort improvements without the need of heavy weight barriers or foams.

dBCore® gradient density insulation has excellent moldability, is available with a variety of integrated surface facings and is fully recyclable with recycled material content. Acoustic performance is delivered through tuned airflow resistance engineered to provide high acoustic absorption in the mid to high frequencies. Lightweight composite offers a substantial weight savings over traditional decoupled mass systems.

Applications:

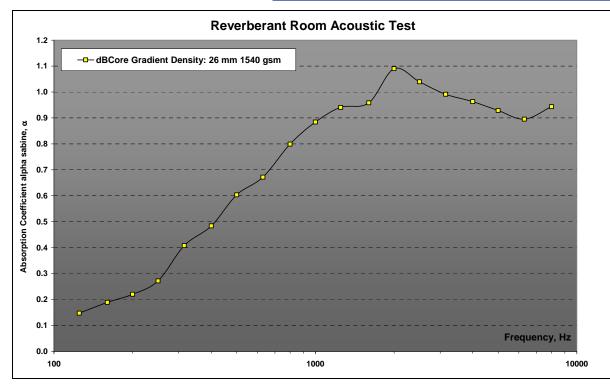
- Undercarpet Systems
- Dash Inners
- Rear Seat / back panel Insulation
- Localized Insulation

Acoustic Performance:

Typical Properties:

Thickness (Range) Surface Weight (Range)	4 – 30 mm 1050 – 1550 g/m ²
Tensile Strength (ASTM D5034)	Mach. Dir – 52 N/cm ² Cross Dir – 83 N/cm ²
Tear Strength (ASTM D5733)	Mach. Dir – 196 N/cm Cross Dir – 65N/cm
Fogging (SAE J1756)	1 hour – 98% 16 hour – 98%
Flammability (SAE J369)	Self Extinguishing
Temperature Resistance	Continuous - 175° C Intermittent – 204° C

- Polyester fiber core material in white or grey
- Tuned acoustic constructions available for improved absorption performance in specific frequencies



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All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. Since industry practices vary, we make no warranty, express or implied, concerning their use, nor do we accept responsibility for any misapplications of these products, or their use under any conditions

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