Thermal and Acoustical Systems

dBCore® Exterior Tunnel Absorber

Lightweight dBCore® Exterior Tunnel Shields are engineered to provide both excellent sound attenuation and thermal protection in underbody and underhood applications. Constructed of an integrated polyester core, coverstock and aluminum foil, these shields have a thermoplastic binder that provides excellent moldability to contour with vehicle design.

Applications:

- Tunnel insulators
- Exterior dash insulators
- Hood Insulators

Acoustical Performance

- High acoustic absorption performance
- Transmission loss and vibration decoupling from fiber core
- Tuned composites available for improved low to mid frequency absorption 100-2500Hz

Features and Advantages:

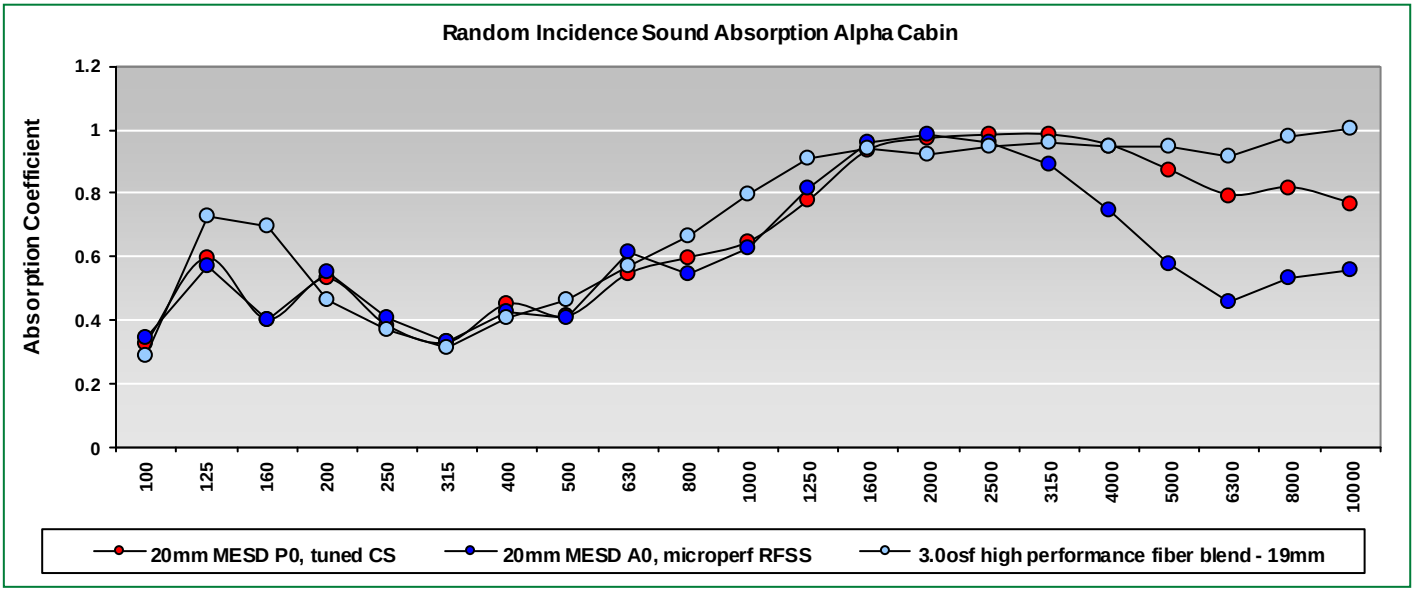
- PET fiber structure offers high part strength and toughness
- Low part weight with high NVH performance
- High thermal protection to underbody components
- Fully Recyclable Composite with Recycled Material Content
- Resistant to exterior automotive environmental conditions and operating fluids

Material Types:

Thickness (Range)	2 – 25 mm
Surface Weight (Range)	750 – 1350 g/m^2
Tensile Strength (ASTM D5034)	Mach. Dir – 162 N/cm^2 Cross Dir – 196 N/cm^2
Flammability (SAE J369)	Self Extinguishing
Temperature Resistance	Continuous - 150° C Intermittent – 204° C
Qualified OEM Specifications	Ford WSS M99P32-E6 Chrysler MSHZ100-X-T1 General Motors GMW16653 Nissan 67800NDS00

Material Construction Options:

- Polyester fiber core material in white or grey
- Variety of surface cover options including Al Foil, Black Nonwoven, Microperforated Al, or unfaced
- Tuned acoustic constructions available for improved absorption performance in specific frequencies



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