

BETABRACE

REINFORCING COMPOSITES

BETABRACE* reinforcing composites from Dow Automotive are one of a number of solutions that improve vehicle sound quality by increasing part stiffness.

Designed for use on sheet metal and thermoset surfaces, BETABRACE reinforcements consist of a woven glass mat, adhesive polymer and covering of release paper. Die-cut shapes, in thicknesses optimized for cost and performance, are applied to areas needing reinforcement.

The following product grades are approved and specified by OEMs for panel reinforcement:

- Non-expandable, paint shop applied, low bake
- Non-expandable body or fab shop applied
- Expandable, body or fab shop applied



Applications

Shock towers Tailgates Fenders Roofs
Hoods Package shelves Side mirrors
Sail panels Door handles Wheel wells
Deck lids Doors Floorpans Liftgates

Product advantages and ROI

- Exceptional stiffness compared to bare steel and eliminates need to re-tool expensive sheet metal dies
- Easily adhere to contoured surfaces and can be used on the back side of Class A surfaces without read-through effects
- Improved flexural strength and distortion, impact and fatigue resistance
- Increased panel stiffness decreases number of vibrational modes and increases vibration decay rate
- Reduction of bass boom in certain applications
- Increased panel damping reduces noise amplitude, e.g. door slam noise dissipates quicker
- Products enable thinner vehicle wall construction when considered in early design stages