



CellTech GS50

GS50 is an innovative sandwich material derived from extensive experience in the aerospace industry. The unique aspect of GS 50 is that the sandwich material is all steel. This provides unique characteristics to this technology.

At least 70% lighter than solid sheet metal of the same thickness

- Weight savings increase vehicle fuel efficiency, which equates to lower emissions and has environmental benefits.
- A lighter car body allows for more options regarding fuel cell, battery and hybrid engine technology.
- A lighter form of transport allows for more options regarding fuel cell, battery and hybrid engine technology.
- Provides a new basis for aerodynamic designs.

At least 9 times stiffer than solid sheet metal of the same weight

- Increases stiffness performance.
- Eliminates the need for stiffness support structures in conventional sheet metal assemblies.
- More efficient assembly process.

At least 4 times more energy absorption than sheet metal of the same weight

- Improves safety aspects.

Varied thickness and cell size of sandwich material

- Ability to provide non-standard component functions.
- Tailored light-weight material solutions.

Incorporates cellular flow-through technology

- Use the open-cell core structure for active cooling.
- Outstanding mechanical and thermal properties, including thermal insulation and conductivity.

Enhanced formability

- The ability to shape the material is a unique formability feature not seen before with an all metal sandwich technology.

Economical

- Ability to mass-produce a vast variety of component parts adds value.

Green Metal Products

- GS50
- GS75-2
- GS75-3
- PLYSTEEL

Weight Matters

CellTech Metals brings technologies designed to ensure environmental preservation, and help businesses secure long-term global competitiveness. Weight is costly to the manufacturer, the consumer and inadvertently pollutes our environment. This is why we stress... **Weight Matters! And we deliver weight savings.**