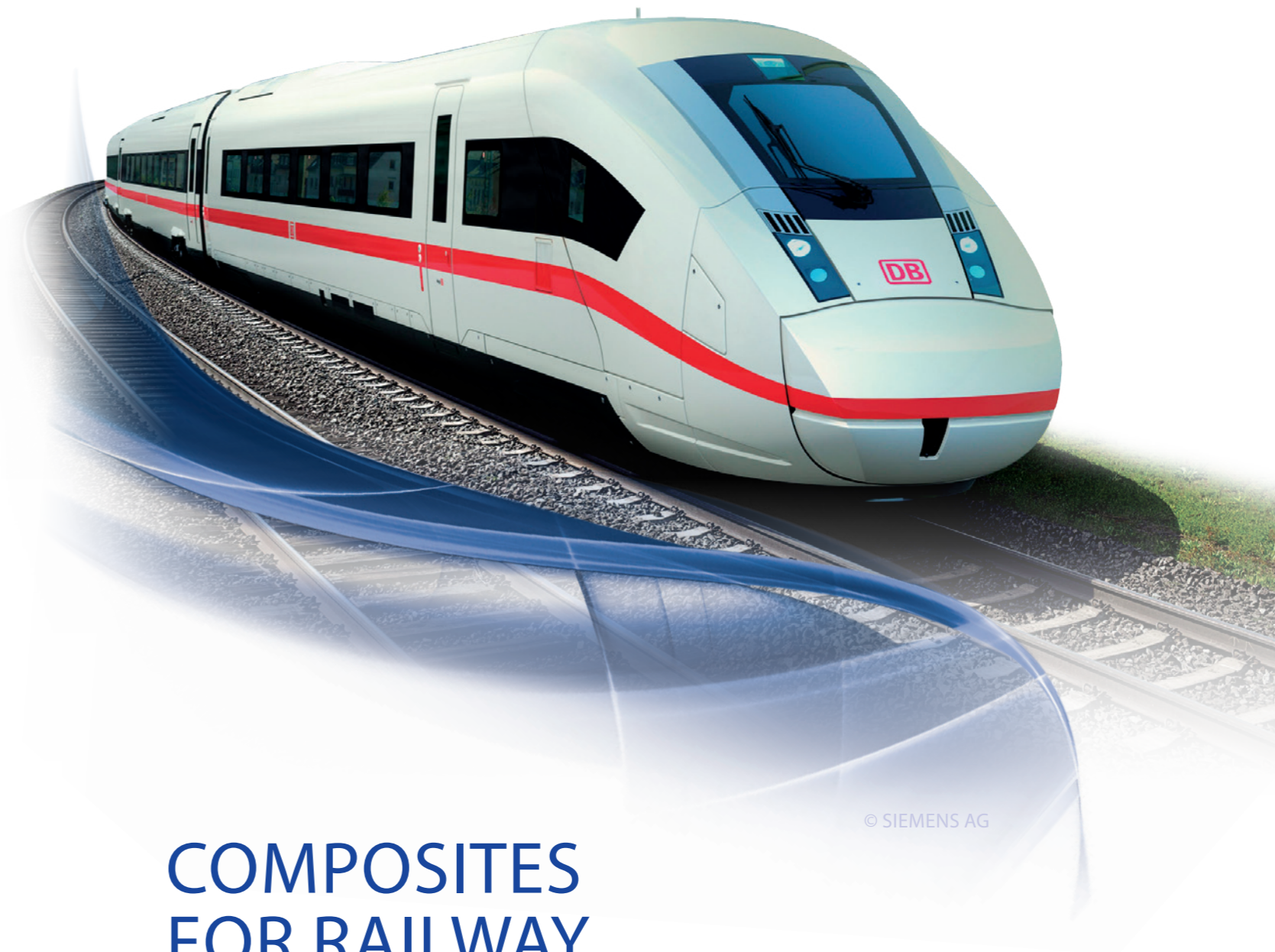


5M

5M



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ALSTOM

BOMBARDIER

SIEMENS

**COMPOSITES
FOR RAILWAY**



STADLER
Clevere Lösungen auf der Schiene

KNORR-BREMSE 

COMPOSITE SANDWICH PANELS

Composite sandwich panels present a very attractive alternative to classic aluminium sandwich panels. This material combines glass and/or carbon fibre with a special foam or honeycomb core. We produce composite sandwiches in flat or 3D-shaped panels, including complicated custom-designed components. In the railway industry, these are used mainly for interior lining (e.g. side walls and ceilings).

-  LIGHTWEIGHT MATERIAL
-  NON-FLAMMABLE
-  HIGH STRENGTH AND STIFFNESS
-  3D SHAPES
-  INCLUDING THREADS, INSERTS, REINFORCEMENT






ALUMINIUM SANDWICH PANELS

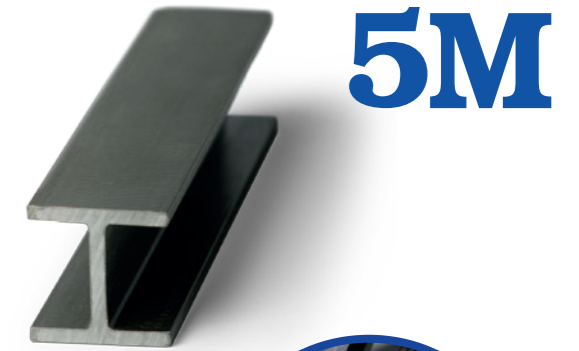
The sandwiches are characterized by high strength, stiffness and, at the same time, very low weight. 5M produces honeycomb sandwiches in flat or shaped panels with many various edge types, including designs intended for further assembly by gluing. In the railway industry, these are used for interior partitions, ceilings, walls and doors.

-  LIGHTWEIGHT MATERIAL
-  HIGH STRENGTH AND STIFFNESS
-  FLAT OR SHAPED PANELS
-  INCLUDING THREADS, INSERTS, REINFORCEMENT
-  RECYCLABLE

COMPOSITE PROFILES






Composite profiles are known under a variety of names, such as GRP, FRP, FRPC, CRP, fibreglass or carbon fibre. We specialize in custom-tailored profiles, developed and produced to meet each customer's specifications and needs. In the railway industry, these are used as outside and inside cover panels for roofs and car bodies, in constructing floor body frames, and as insulated rods for electrical applications.

-  CORROSION RESISTANCE
-  THERMO AND ELECTRIC INSULATION
-  LOW WEIGHT
-  GREAT MECHANICAL PROPERTIES
-  MINIMUM MAINTENANCE DURING LIFE TIME



PUROXIT®
(light non-flammable boards)

Revolutionary PUROXIT® composite sandwich panels offer a very light and non-flammable construction plate that enables significant mass reduction in any floor construction while still providing ample stiffness and impact resistance. The main applications for PUROXIT® panels are in floor structures for trains and trams.

-  VERY LOW WEIGHT
-  NON-FLAMMABLE (EN 45 545)
-  THERMAL AND ACOUSTIC INSULATION
-  WATERPROOF
-  FLAT PANELS OR 3D SHAPES

