



World leader for technologies using
aluminium honeycomb structures

We have the solution that meets your passive
safety requirements... and if we don't, we'll create one!

For 25 years, AFL Honeycomb Structures has been producing crash test barriers for manufacturers and crash test centers. 100% quality, 100% reliability.

Side impact barriers

ECE R95 - Validated by the UTAC

European directive 96/27/EC



FMVSS214

American standard NHTSA FMVSS214



IIHS version IV

IIHS side impact protocol, version IV



AE-MDB

EuroNCAP certificate provided



Front impact barriers

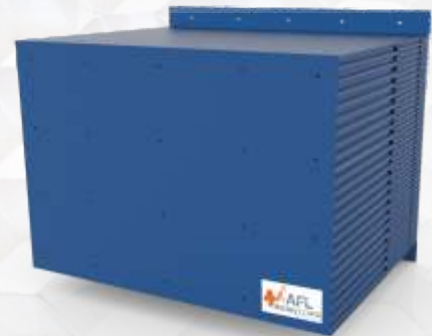
ECE R94

European directive 96/79/EC



PDB-XT

ECE/TRANS/WP29/GRSP/2007/17



AFL HONEYCOMB STRUCTURES

offers maximum capacity for reaction thanks to its extensive warehouse and logistics set-up covering the whole range of standard barriers. Our main concern is ensuring you the best quality and fastest service possible.

Our average delivery time is just one week for Europe. The barriers manufactured by our operators are controlled at every stage of the process. We can therefore produce small, medium and large series to the highest quality.

Technical data sheets can be consulted on our website:
www.afl-crashtestbarriers.com



World leader in the design, development and manufacture of products based on aluminium honeycomb structures.

Chemical milling

PROGRESS (progressive growing resistance)

A revolution for kinetic energy absorption.

AFL Honeycomb Structures has developed an innovative chemical milling process of aluminium honeycomb.

This unique process alters the material's mechanical properties to obtain progressive resistance of the honeycomb.



Custom-made barriers

AFL Honeycomb Structures has its own research and development department, able to design and produce the exact systems you require.

Whether you require specific products or manufacturing processes, our engineers utilize our in-

house equipment and resources as well as a network of technical and scientific partners.

We can personalise existing solutions to meet your specifications or we can design custom solutions to fulfil your specific requirements.

Vehicles **Safety**, our daily **priority**





AFL was founded 45 years ago. Specialising in aluminium joinery fittings and the manufacture of insulation, over the years our company developed highly specific expertise in the production of aluminium honeycomb structures used in numerous business activities.

During the early years, we produced glass structures making up the roof of the "Fondation Vasarely" in Aix-en-Provence. The architect chose our glass panels with their cells built into the glazing to channel the sun's rays and produce highly original and decorative natural lighting.

Since then, we are able to boast a number of other noteworthy projects in the field of architecture. The glass partitions enclosing aluminium honeycomb at the famous "Jules Verne" restaurant in the Eiffel Tower are a fine example, just like the main door to the "Louis Vuitton" store in Paris, with its solid wood facings and honeycomb core.

We have long been called on by the aerospace sector to produce honeycomb flow straighteners and sandwich panels. The highly rigid yet light aluminium panels are ideal for this type of application.

The rail industry and experimental wind tunnels have opted for our honeycomb products to channel air flows. The french railway company SNCF has approved and listed special parts produced by AFL Honeycomb Structures for the TGV high-speed train. Automotive manufacturers and crash test centers turned to this material in the 1980s, when designing kinetic energy absorbers for passive safety tests. We have worked actively alongside UTAC to invent these barriers for a long time now.

Today this business sector is our main market and we provide most manufacturers in the automotive industry.

For 45 years, we have been providing innovative, high quality solutions to meet your requirements.



AFL Honeycomb Structures

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