

New lightweight solution for composite structures and laminates

Do you make decisions about purchasing manufactured panels or other end-product requirements? Well, now there is a new way that's cost effective and provides an added level of quality. Elaco™

Elaco™ laminates are lightweight, and are proven to have extremely high impact resistance and damage tolerance. Your manufacturer can supply you with ready-to-use product that has the strength and impact resistance you need.

The beauty of the Elaco™ concept is its ability to be tailored to your needs. Most composites created using the concept can be produced and recycled using your existing technology.

By using its groundbreaking technology, Elaco™ gives you lightweight, stronger options - in both structural and non-structural products.

How does it work?

The concept is based around thermosetting resin and composites with aluminium and steel inclusions. However, the manufacturing process is not limited to using these materials. Cost-effective standard materials can be used, delivering enhanced performance while controlling costs.

What are the advantages of Elaco™ created composites?

- Extremely high impact strength;
- Excellent impact absorbing ability;
- High elastic/plastic deformability under impact;
- Low density and high durability;
- Very high percentage of elastic recovery during plastic deformation;
- Low weight; and
- High tensile and binding strength.

Which industries can benefit from the Elaco™ concept?

Its applications are extremely versatile, but are especially useful to:

- Building and construction
- Aviation and aerospace
- Rail
- Security and protective
- Civil and military ballistics
- Automotive
- Furniture and decoration
- Municipal and civil engineering

How can the Elaco™ concept benefit your company?

- Can be implemented quickly, using your existing technology;
- Versatile - its uses are limited only by the designer's imagination;
- Low cost of implementation;
- Structures can be recycled using existing technology; and
- Delivers exceptional products at low cost.

Further information – testing results

For more information about this cutting edge concept visit our website www.elaco.com.au. You will find there all the technical information you need, including testing results, specifications, features and applications.