Our structural adhesives are perfect for the marine industry because they need little or no surface preparation therefore reducing dust emissions and increasing production speed. They can be used for a variety of applications including composite stringers, liners and deck to hull bonding. This is why companies like Sunseeker International, Formula Fastech, Victory Team and Northshore Yachts are all users of our adhesives.

- Outperforms laminated joints
- Reduces cracking and crazing of gel-coats
- Gap filling up to 50mm
- Faster and easier assembly including ability to hand mix

Rail, bus, coach and truck companies such as Alstom, Bombardier, Volvo, Virgin and NABI use our adhesives in various ways. They choose us for bonding floating floors and modular washrooms in railway carriages, composite body panels in buses and coaches as well as the doors, headlamp surrounds and front grills for trucks. Our products are popular because of reliability and ease of use.

- Rapid cure at room temperature reduces production time
- Resistant to oil and diesel
- Bonding of dissimilar substrates
- Excellent fatigue resistance

Car manufacturers like Ford, GM, Rover, Chrysler, Saab and Land Rover use Plexus Structural Adhesives. Our products can bond bumpers, spoilers, dashboards, body panels, front grills etc. But as well as that, our structural adhesives are fully regrind compatible, so plastic components can be recycled without the need for cutting out the joints. In fact thousands of car bumpers bonded with Plexus Adhesives have already been recycled.

- Speeds production
- Bonds dissimilar substrates
- High strength & durability
- Proven application history

Our specialist structural adhesives have dramatically benefited the wind turbine industry in design and builds. Used extensively in the manufacture of wind blades, turbine housing assemblies and lightweight suppression systems, our structural adhesives produce high strength bonds to virtually all polyester resins and gelcoats, as well as high performance engineering thermoplastic composites. Superior bond strength and fatigue resistance combined with high strength and durability make our adhesives the obvious choice for so many demanding applications.

- Chemically Fuse Composites
- Superior bond strength and fatigue resistance
- Decrease assembly costs
- High strength and durability

We work with our customers to offer specialist adhesives solutions to meet their specific production requirements. We have a proven track record of bonding composite and thermoplastic doors, GRP architectural features, pultruded bridges, GRP tanks and more.

- Room temperature curing
- Superior performance bonding dissimilar substrates
- Working and fixture times to suit all your applications
- Excellent chemical resistance

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We work in partnership with our customers throughout the design and production process to ensure we provide the right structural adhesives for your production needs and ensure that your product meets the highest quality requirement. This includes:

- Bonding of dissimilar substrates
- Variety of working and fixture times
- Superior impact resistance

ITW PLEXUS Structural Adhesives
Would you like to improve your productivity and create better value products? The answer could be in your structural adhesive. Our team understands how demanding today's production environment can be, and we're proud to offer you options and innovative solutions, no matter what industry you're in.

We'll use our experience and support services to make the right choices for you and your business.

Technical support, solutions and ongoing development
Our ITW Plexus Technical Centre is an excellent facility. The centre offers full support and service for all our customers' technical requirements. There's nothing general about the adhesive selection process, because it's all about our customers' unique requirements. We have a fully equipped laboratory enabling us to carry out testing on our customers' substrates. Running alongside the Technical Centre is the European R&D department, providing continuous improvements to existing products and new groundbreaking product developments. Our R&D ensures ITW Plexus is at the forefront of the latest industry developments and makes sure our customers benefit from a superior range of products to cover all their needs.

Core Shell Technology
The ability of Plexus structural methacrylate adhesives to absorb energy without catastrophic failure is achieved by our patented core-shell impact modifiers. Our core-shell impact modifiers have evolved over time to improve toughness and resistance to fracture, impact, fatigue and thermal stress throughout our methacrylate range, and we're working without sacrifice to other properties. The overall result has improved toughness and resulted in higher peel strength.

Due to the many potential variations in substrates and surface chemistries, ITW Plexus strongly recommends all substrates be tested with the selected adhesive in the anticipated service conditions to determine suitability.

Please contact our technical department at technical@plexus.co.uk if you have any questions or you'd like more information about our comprehensive range of adhesive products.