

# ACRALOCK<sup>®</sup>

## Engineered Bonding Solutions

**ACRALOCK Structural Adhesives** by Engineered Bonding Solutions, LLC are advanced two component methacrylate structural adhesives, designed to bond chemically to most surfaces providing a permanently locked or integrated assembly of steel, aluminum, engineered plastics, high performance composites and other materials.

Our production facility, located on the Indian River waterway in Titusville, Florida features state of the art, ISO 9001 approved mixing, testing and packaging equipment.

Our Logistic and Technical Center in Europe, located in Markt Allhau, Austria features newest, ISO 9001 approved logistics, cool room storage technology and state of the art testing and packing equipment.



**Acralock Structural Adhesives** are capable of bonding a wide range of materials either to themselves or cross bonded to a dissimilar substrate, with little to no preparation. Our unique formulations are designed to provide very tough and durable bonds with high shear strength and elongation properties.

This makes Acralock adhesives the best choice for applications that need to withstand harsh environmental and shock load conditions. The rapid cure nature of these adhesives at room temperature substantially decreases the assembly process time and increase production performance.



### Acralock Structural Adhesives

- Chemically bond to material surface
- Combine high bond strength with choice of stiffness or flexibility
- Bond most materials without grinding or priming
- Include primerless metal bonding
- Bond Telene and Hot Dipped Galvanized Steel
- Combine fast cure with a choice of working time from 5 to 120 min
- Give LOW Exotherm/LOW shrink/LESS read through
- Marine certified and EN 4545-2 approved

### Acralock Structural Adhesives bond:

Polyesters	Acrylics	Poly DCPD	Aluminum
Gelcoats	ABS	SMC/BMC	Stainless Steel
Topcoats	PVC/FPVC/CPVC	PU - Rim	Carbon Steel
Vinyl Esters	Styrenics	PA - RIM	Coated Metals
Epoxies	PET	Nylon	Hot Dipped Galv. Steel
Polyurethanes	PMMA	Rubbers	E - Galvanized Metals
Elastomers	Polycarbonate	Wood	Ceramics
Floatglas	Coated Floatglas	Concrete	Natural Stones

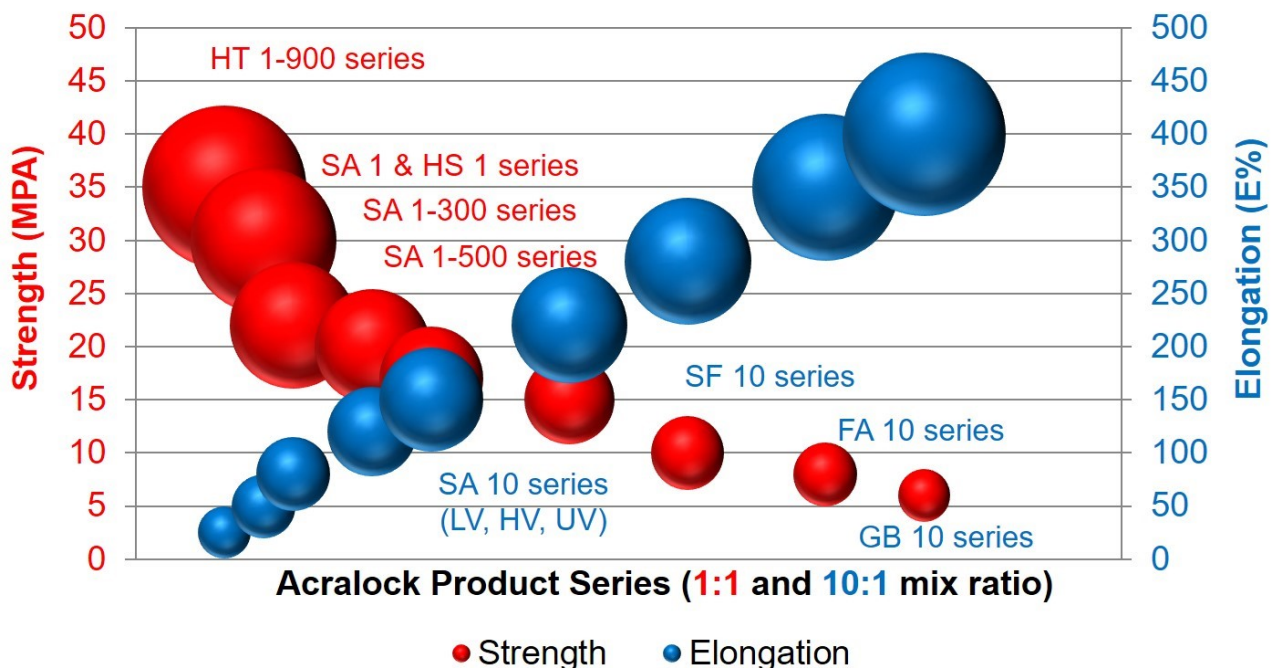
...and many others...

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**ACRALOCK Structural Adhesives** by Engineered Bonding Solutions, LLC offers a unique MMA based product line with the broadest physical performance range, covering all possible structural bonding applications and provides the best performing, longest lasting bonded assemblies.

**Basic Mechanical Properties of  
EBS Acralock Structural MMA Adhesive Product Range**



**ACRALOCK Structural Adhesives** can cover the whole structural bonding application range depending on the product family and their basic properties as follows:

... from „**High Flexibility** (400 % E) / **Low Strength**“ (< 6 MPA)  
requirements to substitute flexible 2 component Polyurethane systems ...

... over „**Medium Flexibility** (100 - 250 % E) / **Medium Strength**“ (10 - 20 MPA)  
requirements to substitute 2 component Polyurethane systems and classic MMA systems ...

... to „**Low Flexibility** (30 - 80 % E) / **High Strength**“ (20 - 35 MPA)  
requirements to substitute 2 component Epoxy systems ...

These characteristics, combined with **outstanding peel** resistance, **better creep** resistance and **much higher fatigue** resistance compared to PU's and Epoxies on most substrates combined with **higher chemical, thermal** and **cataplasma cycle** resistance on most metal surfaces, make **ACRALOCK Structural Adhesives** the best choice for outstanding performing and most durable bonded structural and semistructural assemblies!