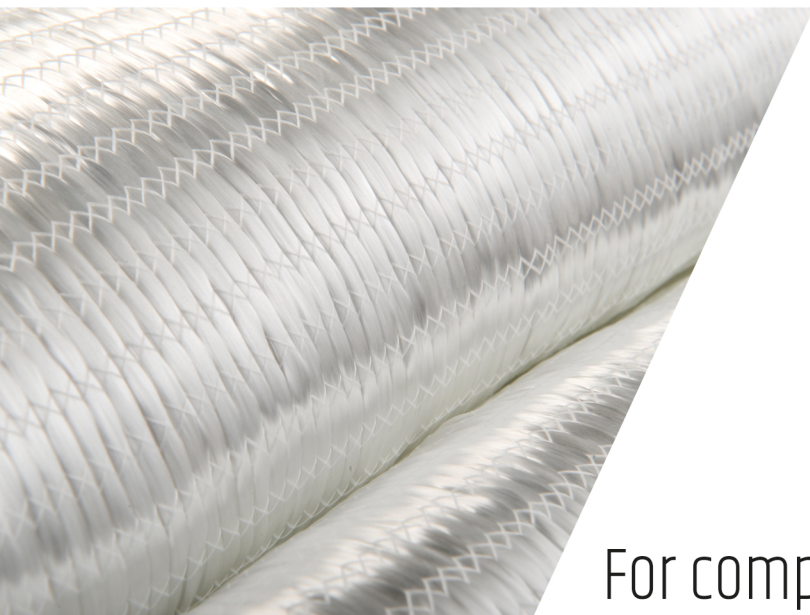


Smarter Layup Starts with METYBOND

METYX, established in 2003, is a global leader in high-performance technical textiles and composite solutions. With production sites in Turkey, Hungary, and the USA, METYX supports key industries such as marine, wind energy, automotive, rail, and construction through an integrated portfolio of reinforcements, molds, vacuum bagging, and kitting solutions. Driven by sustainability, precision, and reliability, METYX helps manufacturers reduce production time, improve performance, and achieve consistent quality.

As part of this commitment, METYX presents METYBOND – a next-generation self-adhesive reinforcement designed to simplify composite layup process, shorten cycle times, and enhance mechanical performance. METYBOND reinforcement range includes as the base material Woven, Non-Crimp Fabrics and CSM of glass and carbon coated with special adhesive.



The Name's Bond. METYBOND.
For composite layups, not secret missions

Key Benefits at a Glance

- ✓ Faster production – Save time by eliminating spray adhesives and extra positioning steps
- ✓ Clean, solvent-free application – No VOCs, no overspray, no health risks
- ✓ Perfect placement every time – Holds in place on vertical, curved, or complex geometries
- ✓ Repositionable – Adjust as needed without loss of adhesion
- ✓ Supports automation – Ideal for robotic or tape-laying systems
- ✓ Enhanced edge stability – Prevents fraying or fabric distortion
- ✓ Improved laminate performance – Boosts mechanical and impact resistance
- ✓ Available with E-glass or carbon fabrics – Woven, NCF, or CSM

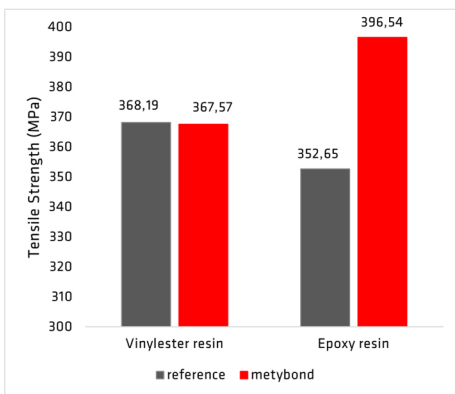
METYBOND Technical Specifications

Base Fabrics: E-glass, h-glass woven, non-crimp (NCF), CSM; Carbon woven and NCF, hybrids
Adhesive Type: Precision-applied adhesive on one or both sides
Adhesive Weight Standard: 8–10 g/m² (adjustable: 8–25 g/m²)
Format Options: Rolls or custom kitted formats with release foil
Resin Compatibility: Compatible with Polyester (UP), Vinyl Ester (VE), Epoxy (EP)
Process Suitability: RTM, Light RTM, Vacuum Infusion, VAP

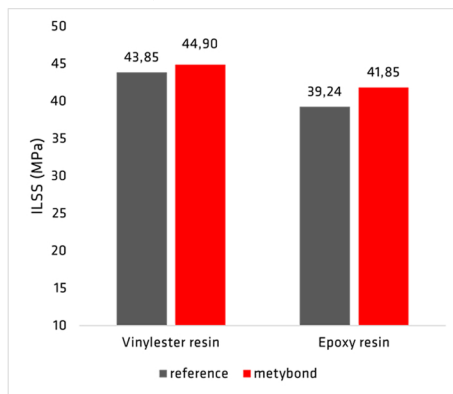
Automation Friendly Suitable for automated tape-laying systems

Parameter	Tensile Strength	Compression Strength	ILSS	FVF
Unit	PSI	PSI	PSI	%
Reference-Q1600 Vinylester resin	368,19 ± 6,36	251,42 ± 18,41	43,85 ± 1,67	43,85
METYBOND-Q1600 Vinylester resin	367,57 ± 12,72	233,95 ± 12,05	44,90 ± 3,0	44,90
Performance Advantages	-0,17%	-6,95%	2,39%	
Reference-Q1600 Epoxy resin	352,65 ± 20,31	193,19 ± 6,11	39,24 ± 0,69	50,74
METYBOND-Q1600 Epoxy resin	396,54 ± 8,65	208,62 ± 12,11	41,85 ± 0,52	49,89
Performance Advantages	12,45%	7,99%	6,65%	
Reference-LT800- UP resin	499,1 ± 37,15		34,95 ± 1,96	49,18
METYBOND-LT800- UP resin	484,03 ± 33,65		34,37 ± 2,53	48,95
Performance Advantages	-3,02%		-1,66%	
Reference-LT800- Vinylester resin	474,39 ± 37,29		40,66 ± 1,58	46,62
METYBOND-LT800- Vinylester resin	420,64 ± 56,34		37,74 ± 1,23	48,17
Performance Advantages	-11,33%		-7,18%	

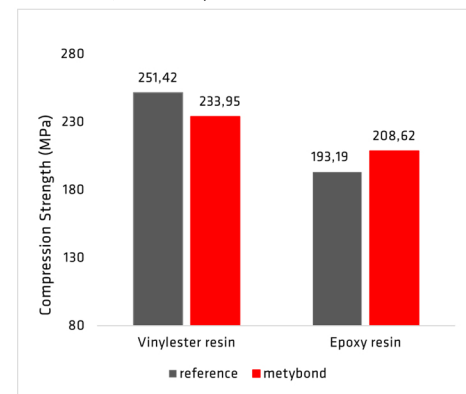
Q1600 Tensile Behavior



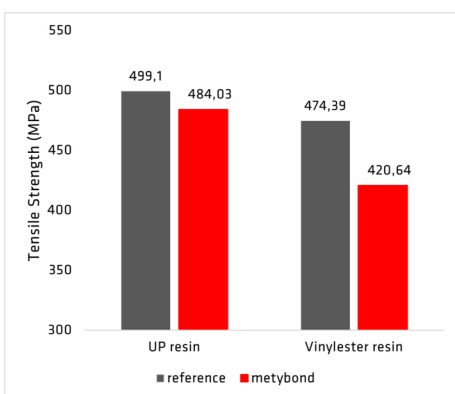
Q1600 ILSS Behavior



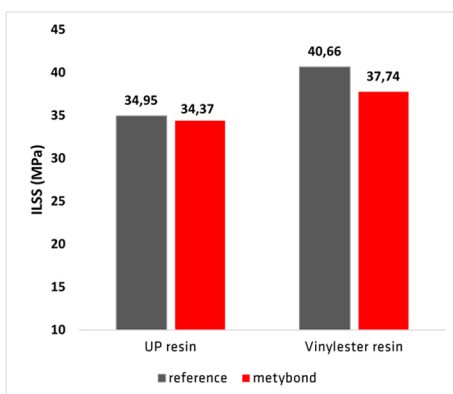
Q1600 Compression Behavior



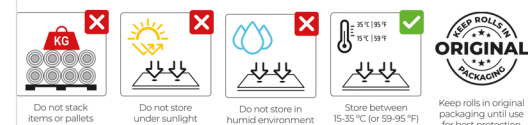
LT800 Tensile Behavior



LT800 ILSS Behavior



METYBOND is the self-adhesive counterpart to METYX's non-adhesive reinforcement fabrics, offering the same base textile with added processing benefits.



All technical data provided is for informational purposes only and does not constitute a warranty. Users are responsible for conducting product validation and performance testing under their specific application and process conditions.