

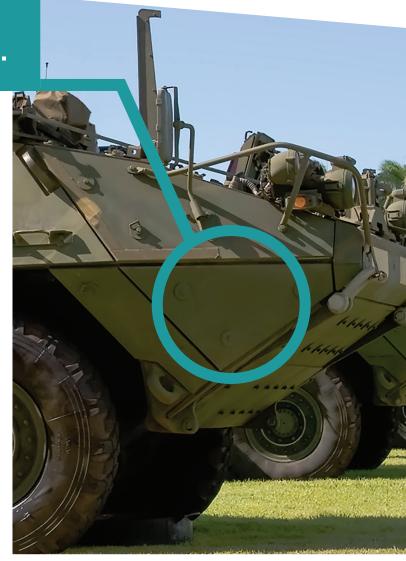
EXTEND THE LIFE OF COMPOSITE ANTI-BALLISTIC ARMOR

ARA DEFEND® 50100 Resin System offers improved damage resistance and up to a 30% increase in Tg, extending armor system life.

Composite anti-ballistic armor is key to protecting law enforcement and military personnel. With traditional composite armor, exposure to higher temperatures degrades armor's performance. Traditional composite armor resins have shorter processing times that present manufacturing challenges, particularly when producing larger panels.

ARA DEFEND® 50100 Resin System is engineered to improve damage tolerance and multi-hit performance. This product provides a 35% increase in G1C and 6% K1C. Combined with the 30% improvement in Tg, ARA DEFEND® 50100 Resin System delivers superior durability and performance at higher temperatures, resulting in extended armor life cycle and protection.

ARA DEFEND® 50100 Resin System is a two-component, low-viscosity epoxy resin system with good latency. This allows for longer working times for better infusion of larger panels via Vacuum Assisted Resin Transfer Molding (VARTM), Resin Transfer Molding (RTM), and Dynamic Fluid Compression Molding (DFCM). This resin system is designed to cure at relatively low temperatures allowing for easier processing and flexibility in large-scale production. ARA DEFEND® 50100 Resin System delivers state-of-theart product and manufacturing performance.

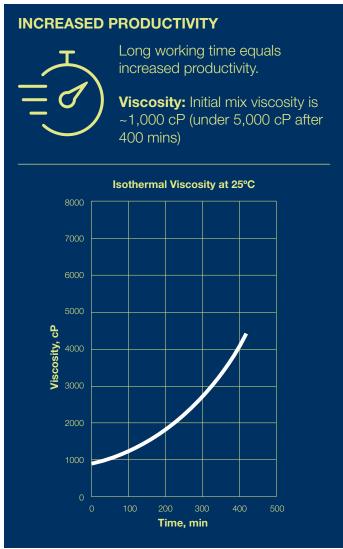




WHAT MAKES ARA DEFEND® 50100 RESIN SYSTEM DIFFERENT?

ARA DEFEND® 50100 Resin System is a two-component, highly heat-resistant resin system with superior toughness, designed with a long open time for direct processing applications, such as VARTM, RTM, and DFCM.





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