

LOCTITE® STRUCTURAL ADHESIVES OUTDOES TRADITIONAL WELDING METHODS



SITUATION

A manufacturer of high performance watercraft wanted to eliminate the porosity, burn-thru and other defects caused by welding aluminum components. It was important that the new solution offered high strength that could hold the watercraft frames together.



LOCTITE® SOLUTION

The local LOCTITE® Technical Sales Engineer reviewed the performance requirements and recommended LOCTITE® AA H8003™ structural adhesive. It is formulated to deliver bond strength and durability comparable to welding. General production workers can be quickly trained to properly dispense and assemble components with this adhesive, unlike welding which requires specialized training and certification. It cures quickly at room temperature which eliminates welding energy cost, safety hazards and process defects such as porosity, burn-thru and distortion.



BENEFITS

LOCTITE® AA H8003™ structural bonding transformed the assembly process. It eliminated welding-specific defects, scrap and skilled welding labor shortage issues. Collaborating with LOCTITE® technical experts resulted in new manufacturing ideas, solutions and benefits for this company.

Product	Size	IDH
LOCTITE® AA H8003™	490 ml	2244127

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