3M™ Scotch-Weld™ Structural Adhesives for Large Structure Bonding

Takes work to put holes in a panel or add burn marks

Why work at creating potential problems for yourself? Holes invite corrosion and leaks. Rivets and screws through those holes concentrate stress and can loosen or fail with vibration. Welding generates fumes and heat for workers and burn ridges that need to be refinished for a smooth panel.

With 3M™ Scotch-Weld™ Structural Adhesives, you reduce work and worries with multiple production and end use benefits:

- Distribute stress uniformly over the bonded area and maintain surface integrity and physical properties of the panel
- Use thinner, lighter panel materials without concerns about distortion, splitting, or crazing
- Secure even small or thin bonding edges such as honeycomb
- Apply in irregular patterns to follow contours and random shapes
- Save work of drilling and surface refinishing; keep panels smooth and clean for a more attractive appearance
- Hold for the long term with resistance to vibration and impact
- Bond dissimilar materials without worries of galvanic corrosion or stresses of different coefficients of thermal expansion/contraction

Market and Application Ideas

- Honeycomb panels in rail cars, elevators, and aircraft
- Hat channel stiffeners in metal enclosures
- Delivery truck side walls
- Sign facings and cabinets
- Corrugated panels to tube frame

Truck sides to elevator doors, dependability without holes
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