

The product

Collano® RS 8500

Bonding instead of riveting, welding, brazing

Stresses occur in riveted and screwed assemblies and the structure of metal is altered by welding and brazing. Material surfaces are compromised, making them vulnerable to corrosion and cracking. The risk of fatigue at joints is high. In contrast, adhesive bonding does not affect the integrity of the material surface, distributes and absorbs stresses, and stabilizes composites.

Safety

- High-strength and elastic bonds
- They do not compromise the material surface; they distribute and absorb stresses
- Crash-resistant: high energy absorption upon impact
- Good impact and vibration resistance
- Good water, UV, and weathering resistance
- Reduced stresses in case of thermal expansion

Aesthetics

- Bonding is aesthetic
- No surface retouching work is required
- No seams and holes are produced
- Materials can be stacked back-to-back and precision-laminated

Comfort

- Noise abatement: Reduces sound level in passenger compartments
- Adhesive bonds are invisible and enhance productivity in fabrication (no need to conceal «connection joints»)

Cost-effectiveness

- Component strength can be optimized (not dependent on joining methods such as riveting or welding)
- Lamination allows the use of thinner and more lightweight materials
- Bonding enables new designs



Broad range of applications

- Metal construction and sheet metal fabrication
- Bodywork, vehicle and ship construction
- Air-conditioning and ventilation systems
- Façade elements
- Corner joints on aluminium window profiles
- Bonding of glass and plastics in combination with wood and metal

Products

Collano® RS 8500 (2C reactive system)
 Collano® A8 4810 (2C reactive system)
 Washprimer Collano® RS 8502

Technical data sheets

Continuously updated and immediately obtainable from:
www.collano.com

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