

EPOXY ADHESIVE

For use in the automotive manufactures' weld shops Sunstar offers a one component Epoxy-based weld bond adhesive and a glass bead epoxy hemming adhesive. These adhesives are designed for the automobile hem flange application, such as doors, hoods, and trunk lids. These epoxy adhesives can be implemented as a cost effective alternative to welding processes.

The epoxy adhesives are designed to bond various types of sheet metal components, steels with and without ED and hot dip, as well as aluminum alloys. The beads are used to create a bond-line spacer, and add an initial strength created from mechanical locking after the hem press.

Advantages

- ✓ Excellent adhesion to oily surfaces
- ✓ Excellent rust prevention properties
- ✓ Both glass bead and non-glass bead epoxy adhesive

Weld Shop Products

Sunstar carries a complete line of products for the weld shop, including:

- ✓ Structural Adhesive
- ✓ Hemming Adhesive (HM)
- ✓ Mastic Adhesive (MS)
- ✓ Spot Sealant
- ✓ Weld Shop Sealant
- ✓ Pumpable Sheet Metal Stiffener (PSS)
- ✓ Pumpable Sound Deadener (PSD)



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Typical Range of Properties

Property	
Bonds to	Steel and Aluminum
Glass bead content	0% – 5%
Viscosity (BK #7 spindle, 10 rpm) (cps/20°C)	200,000 – 500,000
Specific Gravity	1.20 – 1.60
Lap Shear Strength (1.6mm CRS)	20-35 MPa
T-Peel Strength (N/25mm)	80 - 200
Shelf Life	3-6 months
Packaging	Pails/Drums
Appearance	Smooth Paste

Sunstar specializes in the design and manufacturing of superior adhesives, sealants, and coating products designed to improve durability, quality, and safety. We are committed to supplying different industries with emphasis on advanced products and application systems. Strong customer focus and unmatched flexibility continue to make Sunstar a market leader.

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