

	<p>EVALUATE.ENGINEER.EXECUTE <i>Experts in custom wear solutions for over 40 years</i></p>	
	<p>CLS-101 Fast Set Wear Compound</p>	

CLS-101 is a fast setting epoxy paste with small black ceramic beads to provide fast setting patching compound for immediate protection of surfaces subjected to wear and abrasion.

CLS-101 is a specially formulated fast setting multi-purpose adhesive with low odor and no VOC's or solvents. **CLS-101** is waterproof and resistant to most chemicals and solvents and is a thick non-sag paste is designed for vertical and overhead installations.

CLS-101 is ideal for use on:

• Pipes and Elbows	• Chipper and Grain Bins
• Vibrating Screens & Beams	• Pneumatics Conveyors
• Cyclones	• Heat Exchangers and Tube Sheets
• Brick Corners and Transition Areas	• Dust Collection Systems
• Pump Casings	• Augers, Fan and Impeller Blades

CLS-101 is available in (8) lb. quart kits, and (28) lb. 2 gal. kits.

Application Instructions

1. Clean surface by sandblasting or grinding to provide rough white-metal profile.
2. Thoroughly mix equal amounts by volume of Part A Resin with Part B Hardener until streak free. Mix only enough that can be applied in 5 minutes.
3. Spread mixed epoxy with trowel or putty knife and worked well into the surface. Do not apply over 5/8" thick per layer. Additional thickness can be built up with multiple coats. Allow prior coat to harden and cool to touch before the application of the next layer.
4. Epoxy may be smoothed with a trowel dipped in a solvent.
5. Do not apply adhesive onto substrate that is below 45° F or above 90° F.
6. Consult SDS for full listing of PPE requirements.

Physical Properties	
Tensile Strength (ASTM D-638)	2,800 psi
Elongation (ASTM D-638)	10.8% min.
Compressive Strength (ASTM D-695)	10,600 psi
Compressive Modulus (ASTM D-695)	318,000 psi
Pot Life @ 77° F	6 minutes
Tack-Free Time @ 77° F	10 minutes
Cure Time @ 77° F	As little as 15 minutes

Physical Properties	
Service Temperature	180° F (Dry) or 130° F (Wet)
Intermittent Temperature	225°F (Dry or Wet)
Mix Ratio	1:1 by volume
Mix Viscosity	Heavy Paste
Coverage in 2 gal. kit	12.8 sq. ft. at ¼" thick
Shelf Life (factory sealed containers)	12 Months

Product Warranty: C. L. Smith Industrial Company warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within C.L. Smith Industrial's directions and tested in accordance with ASTM and C.L. Smith Industrial standards. C.L. Smith Industrial Company's liability is limited to replacement of material found to be defective. As C.L. Smith Industrial has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect, engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents. Data sheets are subject to change without notice.