

	<p style="text-align: center;"><b>EVALUATE.ENGINEER.EXECUTE</b>  <i>Experts in custom wear solutions for over 40 years</i></p>	
	<h2>CLS-404 Heat Resistant Wear Compound</h2>	

**CLS-404** is an epoxy paste blended with large ceramic beads designed for ambient and high temperature applications to protect surfaces subjected to wear and abrasion.

**CLS-404** is a specially formulated wear compound with low odor and no VOC's or solvents. **CLS-404** is waterproof and resistant to most chemicals and solvents and is a thick non-sag paste compound that will allow for vertical and overhead patching.

**CLS-404** 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
• Ball Mills	• Wear Plates
• Pump Casings	• Augers, Fan and Impeller Blades

**CLS-404** is available in (28) lb. 2 gal. kits.

<h3>Application Instructions</h3>
-----------------------------------

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 uniform in color and streak free. Mix only enough that can be applied in 35 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)	6,300 psi
Elongation (ASTM D-638)	1% (min)
Compressive Strength (ASTM D-695)	14,000 psi
Shore D Hardness	85-90
Service Temperature	350° F (Dry) or 300° F (Wet)

<b>Physical Properties</b>	
Intermittent Temperature	400° F (Dry) or 350° F (Wet)
Cure @ 75° F	4-5 hours
Mix Ratio	1:1 by volume
Mixed Viscosity	Heavy Paste
Coverage in 2 gal. kit	12.8 sq. ft. at 1/4" 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.