
	<p>EVALUATE.ENGINEER.EXECUTE <i>Experts in custom wear solutions for over 40 years</i></p>	
	<h2>CLS-63 Heat Resistant Epoxy</h2>	

CLS-63 is a two part component, 100% solids epoxy specifically formulated for high temperature applications of porous materials, bonding clean materials to each other, or ceramic, steel, concrete, wood, or fiberglass surfaces.

CLS-63 is a specially formulated multi-purpose heat resistant adhesive with low odor and no VOC's or solvents. **CLS-63** is waterproof and resistant to most chemicals and solvents making it an ideal adhesive for many applications. This is a thixotropic gel that can adhere tiles applied to vertical, and overhead installations.

CLS-63 is ideal for use on:

• Setting Ceramic Tiles	• Crack and joint repair
• All-purpose Bonding	• Patching and Repairing

CLS-63 is available in (28) lb. 2 gal. kits, and (22) oz. cartridge that comes with a mixer and nut.

Application Instructions

1. Prepare surface by sandblasting or grinding to eliminate surface scale, rust and loose materials. Surfaces should be free of paints, sealants, oils or other coatings.
2. Thoroughly mix equal amounts of part A (resin) with part B (hardener) until uniform in color and streak free. Mixed color will be gray.
3. Apply mixed components with trowel or putty knife and work into both surfaces. Press firmly into place.
4. Do not apply adhesive onto substrate that is below 45° F or above 90° F
5. Consult SDS for full listing of PPE requirements

Physical Properties	
Tensile Strength (ASTM D-638)	6,000 psi
Compressive Strength (ASTM D-638)	14,000 psi
Impact Strength (ASTM D-638)	0.21 ft. lbs/in.
Shore D Hardness	80-85
Service Temperature	350° F (Dry) or 300° F (Wet)
Intermittent Temperature	400° F (Dry) or 350° F (Wet)
Mix Ratio	1:1 by volume
Consistency	Heavy Gel
Pot Life @ 77° F (100 grams)	30 minutes
Cure Time @ 77° F	4-5 hours

Physical Properties	
Weight per 2 gal kit (net)	27 lbs
Coverage	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.