
	<p><b>EVALUATE.ENGINEER.EXECUTE</b>  <i>Experts in custom wear solutions for over 40 years</i></p>	
	<p><b>CLS-70-4 Fast Set Epoxy</b></p>	

**CLS-70-4** is a two component, 100% solids, fast setting, moisture insensitive epoxy adhesive with a fluffy paste consistency that is easily mixed and applied. It is an excellent bonding agent for alumina ceramic tile, brick, glass, metal, wood, concrete, masonry tile and many plastic surfaces.

**CLS-70-4** is a specially formulated epoxy paste with low odor and no VOC's or solvents. **CLS-70-4** is waterproof and resistant to most chemicals and solvents making it an ideal adhesive for many applications. The thick non-sag paste is designed for horizontal, vertical and overhead installations.

**CLS-70-4** is ideal for use on:

• Applying Ceramic Tiles	• Concrete Repair
• All Purpose Bonding	• Epoxy Mortars and Grouts
• Crack and Joint Repair	• Augers, Fan and Impellor Blades

**CLS-70-4** is available in (8) lb. 2 quart kits and (28) lb. 2 gallon kits.

**CLS-70-4-2** is available in (22) oz. cartridge complete with mixer and nut.

<b>Application Instructions</b>
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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. 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.

<b>Physical Properties</b>	
Tensile Strength (ASTM D-638)	2,800 psi (min)
Elongation (ASTM D-638)	10.8% min.
Compressive Strength (ASTM D-695)	10,600 psi (min)
Compressive Modulus	318,000 psi
Shore D Hardness	80-85
Pot Life @ 77° F (100 grams)	6 minutes
Tack-Free Time @ 77° F	10 minutes
Cure Time @ 77° F	As little as 15 minutes

<b>Physical Properties</b>	
Service Temperature	180° F (Dry) or 130° F (Wet)
Intermittent Temperature	225°F (Dry or Wet)
Mix Ratio	1:1 by volume
Mixed Viscosity	Heavy Paste
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.