



1. DESCRIPTION

The **Chem-Set™ 650UC Epoxy Ultra Clear** is a medium viscosity, liquid epoxy system for bonding natural stone. It is excellent for seams, lamination, repairs and applications that require a UV-stable, optically-clear appearance that is suitable for interior and exterior use. This epoxy is quick setting and fast curing, with ample working and positioning times. The working time is about four minutes, along with a cure time of an hour. When the appearance of the repair/application is crucial, and a liquid epoxy is required, the Chem-Set™ 650UC is the best option.

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2. CHARACTERISTICS:

Color, cured	Clear
Mix ratio (resin: hardener)	1:1
Mixed viscosity (cps)	10,000-15,000
Working time @ 70 F	(approx.) 4 minutes
Fixture time	15 minutes
Functional cure	1 hour
Full cure	24 hours
Adhesive Tensile Lap shear, ASTM D1002	2450 psi
Tensile elongation	1 %
Service temp (F / C)	-20F to 200 F -29 C to 93 C
Density (grams/milliliter)	1.14
Color, Gardner	1

3. BONDS / ADHERES TO:

Stone, metal, glass, ceramics, concrete, and wood in all combinations.

3. BEFORE APPLICATION ADVICE:

Prepare substrate by scoring/abrading the surfaces to be adhered. Also be sure that the surface is clean and free of dirt, oil, rust, etc. DO NOT subject cured epoxy to sustained heat of over 200 degrees Fahrenheit.

4. DIRECTIONS OF USE:

1. Remove tip from the end of dispenser.
2. Depress plunger with even pressure to dispense equal amounts of resin and hardener. Decrease pressure on the plunger to reduce flow.
3. Mix both parts thoroughly on a flat surface.
 - a. At 70 Degrees Fahrenheit, the epoxy remains workable for 4 minutes, and will cure in an hour.
4. When finished, replace tip on the end of the nozzle. Be sure to avoid any cross-contamination between resin and hardener

5. AVAILABLE PACKAGING:

50ml crtg., 400ml crtg., 16oz kits and quart kits.

6. ADDITIONAL INFORMATION

NOTE: All information on this data sheet is based upon laboratory testing and is not intended for design purposes. Chemical Concepts makes no representations or warranties of any kind concerning this data. Since mixing and use of this product is beyond our control, we accept no liability other than refunds or replacements due to product defect only. Shelf life should not exceed one year.

Safety Data Sheet available upon request.

Contact Chemical Concepts for more information at:
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