

# CHEMTRONICS

## Technical Data Sheet

**TDS # CW2605**

### CircuitWorks<sup>®</sup> Rubber Keypad Repair Kit

#### PRODUCT DESCRIPTION

CircuitWorks<sup>®</sup> Rubber Keypad Repair Kit permanently repairs rubber keypads by restoring conductivity to worn, intermittent, and nonconductive carbon contacts. This product easily returns rubber keypads to like-new condition. This system is flexible and very durable. The CircuitWorks<sup>®</sup> Rubber Keypad Repair Kit provides a silver/carbon coating that is effective and long lasting.

- Repairs nonconductive keypads
- Excellent electrical conductivity
- Wear-resistant coating
- Excellent adhesion
- System has 72 hour pot life at room temperature and relative humidity <65%
- Testing shows repairs can withstand over 500,000 simulated keystrokes

#### TYPICAL APPLICATIONS

CircuitWorks<sup>®</sup> Rubber Keypad Repair Kit is excellent for rework and repair applications including:

- Telephones
- Controllers
- Carbon Contact Keyboards
- Communication Equipment
- Miscellaneous Keypads

#### TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

##### Composition

Material	Part A	Silver/Carbon/Rubber
	Part B	Hardener
Color	Part A	Dark Gray/Silver
	Part B	Amber Clear
Specific Gravity	Part A	2.5 - 2.7
	Part B	1.0

##### Cured Compound

Tack-Free Time @ 25°C (75°F)	1 Hour
Return to Service Time	24 Hours
Complete Cure @ 25°C(75°F)	72 Hours
Electrical Conductivity	Excellent
Durability	Excellent
Flexibility	Excellent

**Shelflife** 18 months

##### RoHS Compliant

#### COMPATIBILITY

CircuitWorks<sup>®</sup> Rubber Keypad Repair Kit has excellent compatibility with most materials. As with any adhesive/sealant, compatibility with substrate should be determined on a non-critical area prior to use.

## USAGE INSTRUCTIONS

Read MSDS carefully prior to use.

**Mixing:** Pour the liquid in Part B into the container of Part A. Stir thoroughly for two minutes.

**Application:** Clean contacts with contact cleaner. Paint the worn carbon contacts with the mixed conductive material using the enclosed applicator brushes. Use the least amount of conductive material as possible.

**Curing:** At room temperature (<25°C), material dries tack-free in one hour. Repaired keypads can be returned to service in 24 hours. Ultimate properties are achieved in 72 hours. For faster drying, expose the material to approximately 190°F (90°C) for 10 minutes. DO NOT EXCEED 212°F (100°C).

## TECHNICAL & APPLICATION ASSISTANCE

Chemtronics provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

## AVAILABILITY

**CW2605** 1 set containing:  
3g / 0.36 oz. Adhesive  
0.33g / 0.01 oz. Curing Agent

### NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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REV. G (08/13)

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