

# ITW-CHEMTRONICS<sup>®</sup>

## Technical Data Sheet

**TDS # CW2610**

### 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
- 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

#### 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:** Paint the worn carbon contacts with the mixed conductive material using the enclosed applicator brushes.

**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

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

Additional information (i.e., Technical Data Sheets and Material Safety Data Sheets) is available for all ITW-CHEMTRONICS® Products on the **ITW-CHEMTRONICS® Fax-On-Demand System** by calling: **770-426-5447.**

## AVAILABILITY

CW2605 1 mini-set containing:  
3g / 0.36 oz. Adhesive  
0.3g / 0.04 oz. Curing Agent  
CW2610 2 sets containing a total of:  
10g / 0.36 oz. Adhesive  
1g / 0.04 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. ITW-CHEMTRONICS® does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

## MANUFACTURED BY:

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