



## TECHNICAL DATASHEET

### SC103K

### SILICONE CEMENT

Silicone Cement SC103K is a protective coating designed specifically for encapsulating electronic components such as resistors and capacitors in order to protect them from high humidity. The cement is also extremely heat resistant and will withstand temperatures above 300°C. The cement is designed for application by dipping and several coats may be applied if the cement is allowed to air-dry between coats. The final coating is cured at 200°C for 2 hours.

SC103K is normally available in green but other colours may be obtained to special order.

Recommended Thinner: TS106

#### METHOD OF USE

Weigh a flat-bottomed evaporating dish containing a small quantity of silver sand and a small glass rod as stirrer (these items should be kept in an oven at 105°C until required).

Transfer a small quantity of paint (which must be thoroughly stirred) to the dish and mix thoroughly with the glass rod. Weigh again. Place dish in an oven at 105°C for 2 hours. Weigh a third time, heat to a constant weight. From the weight of residue calculate the solids content.

<b>Particle Size:</b>	<b>Loss of Weight:</b>
The fineness of grind shall be at least 100 microns (Hegman 1) (Hegman gauge).	The weight loss of the dried cured film shall not exceed 2% when exposed to 275°C for 6 hours.

#### Characteristics of SC103K

<b>Finish</b>	<b>Colour</b>	<b>Specific Gravity</b>	<b>Flash Point</b>	<b>Binder</b>	<b>Solids Content</b>
Matt	As specified	1.5 - 1.6	25°C approx.	Silicone Resin	68% min (Method of Use)

#### **CAUTION**

The uncured materials must not be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming into contact with the skin. The use of barrier creams or impervious gloves is advised. The skin should be thoroughly cleansed at the end of each working period either by washing with soap and water or by using a resin removing cream - use of solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended.

It is essential that the specific hazards of the system being used be known before handling any material supplied by Robnor. Users should familiarise themselves with the Health and Safety information provided by the Company both in written correspondence and in the information sources listed below.

**NB** The uncured system contains flammable aromatic solvent and is immiscible with water.  
Extinguishers: CO<sub>2</sub>, foam, dry powder.

- The labels on the product packages and containers
- The product Health and Safety Data Sheet

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#### Warning

We provide the above basic information in good faith but since we do not know the use to which our products may be put we cannot accept any liability for reliance placed on this sheet. We are always prepared to respond to enquiries regarding our products. Our responsibilities to our customers are only as set out in our Terms and Conditions.