



Product description	SS7944 require atmospheric moisture to cure and this cure rate can be accelerate by mild heat
Applications	Protective coatings for rigid and flexible PCBs, plus a variety of circuits, components, connectors and connections

Typical Property Data

Benefits	Non-corrosive Resist humidity and other harsh environments Good physical properties
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Typical properties	(Condition: 23 °C, 50%RH)	
	Property	SS7944
	Uncured compound	
	Appearance	Translucent
	Color	Lt. Straw
	Viscosity (cP)	14,000
	Tack Free Time (min)	8
	Cured compound	
	Specific Gravity	1.01
	Cure type	Condensation Alcohol
	Hardness (Shore A)	28
	Tensile strength (MPa)	1.3
	Elongation at break (%)	150
	Dielectric Strength (kV/mm)	20
	Volume Resistivity (ohm-cm)	8.3×10^{14}
Shelf life (Month)	12	

Typical property data values should not be used as specifications.

Features	SS7944 should be operational over of a temperature range of -45 ~ 200°C. This is formulated to provide adhesion to most common electronic materials.
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Storage and packaging

Shelf life and storage	Use it within 12 months from the day of manufacture. Store in a cool dry place out of direct sunlight. Keep out of the reach of the children.
Packaging	100mm Tube, 18kg PE PAIL

Remarks

Handling Precautions	<ol style="list-style-type: none"> 1) In 24hours (at room temperature and 50% relative humidity) this product will cure to a depth of about 2mm. 2) Very deep sections especially when access to atmospheric moisture is restricted, will take longer to cure completely. 3) Cure time is extended at lower humidity levels.
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- 4) Cure time will depend on many factors and should be determined by the user for each specific application. (especially thickness, temperature and relative humidity)
- 5) Maintain adequate ventilation in the work place at all times.
- 6) Adhesion may be less successful on plastics such as polyethylene, polypropylene and so on.
- 7) Adhesiveness may decline in case of the substrate contaminated.
- 8) For the best adhesion, clean surfaces thoroughly with solvent before applying the product. (ex. MEK)
- 9) Users should do preliminary tests in each specific application to ensure satisfactory results.
- 10) This product should not be applied condition below.
 - ① On surfaces that are continuously immersed in water.
 - ② On materials that bleed oils, plasticizers or solvents that may affect adhesion.
 - ③ On frost-laden or wet surfaces.
 - ④ To surfaces in direct contact with food or other food-grade applications
 - ⑤ When substrate surface temperatures exceed 50 °C.
 - ⑥ For continuous high pressure and high temperature.
 - ⑦ For Interior fire prevention section.
 - ⑧ For application that wear is expected by physical friction.
 - ⑨ If the RTV is intended to be painted (paints do not typically adhere to most RTV)
- 11) Wash thoroughly affected skin areas with mild soap and plenty of water
- 12) Wear eye protection and protective gloves when handling this product.
- 13) Store in original unopened containers in a dry place.
- 14) Temperature should not exceed 25 °C for prolonged periods.
- 15) Do not mixing with other products.
- 16) As change in quality can be at long term storage, use in validity.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from KCC subsidiaries or may be printed via KCC web site

<http://www.kccworld.co.kr/silicone>

※ Inquire other questions to customer service.

Warranty information

Please read carefully The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use. KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

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※ Please refer to MSDS if you want to know more specific usage or caution for further information, please see our website, www.kccworld.co.kr

