

## Technical Data Sheet

Chemtools® Pty Ltd | Ph: 1300 738 250 (+61 2 9833 9866) | Unit 2, 14 – 16 Lee Holm Road ST MARYS NSW 2760  
Safety Data Sheets, product photos, and other information can be obtained by visiting [www.chemtools.com.au](http://www.chemtools.com.au)



# Rapidstick™ 8232 Retaining Compound

PART NUMBER	AVAILABLE SIZE*
8-232-10	10ml Bottle
8-232-50	50ml Bottle
8232-250	250ml Bottle

\*Available colours and/or sizes may change without notice.

### DESCRIPTION

Chemtools® Rapidstick™ 8232 Retaining Compound is a highly lubricating medium strength compound formulated to facilitate the assembly and removal of cylindrical fitting parts with heavy press/interference fits, or highly torqued threaded assemblies. It eliminates corrosion and prevents galling and pick-up during disassembly while increasing dismounting forces.

8232 displays excellent performance for retaining, sealing, and thread locking and can be used in high temperature environments and where bond gaps may approach 0.9mm.

### INCOMPATIBILITIES

Not recommended for use in pure oxygen and/or oxygen rich systems, and should not be selected as a sealant for chlorine or other strong oxidising materials.

### APPLICATION

**ASSEMBLY:** For best results, ensure all internal and external surfaces are cleaned with a cleaning solvent prior to application. If the material is an inactive metal, or the cure speed is too slow, spray with an activator and allow to dry.

For Slip Fitted assemblies: Apply adhesive around the leading edge of the pin and the inside of the collar, and use a rotating motion during assembly to ensure good coverage.

For Press Fitted assemblies: Apply adhesive thoroughly to both bond surfaces and assemble at high press on rates.

For Shrink Fitted assemblies: The adhesive should be coated onto the pin, and the collar then heated to create sufficient clearance for free assembly.

Parts should not be disturbed until sufficient handling strength is achieved.

**DISASSEMBLY:** Apply localized heat to the assembly to approximately 250°C. Disassemble while hot.

### TECHNICAL DATA

Composition	Methacrylate Ester
Colour	Green
Viscosity @ 25°C	(High) 7,000 – 10,000 cps
Density (Kg/L)	Resin: 0.96 / Activator: 1.07
Specific Gravity	1.09
Gap Fill	Up to 0.9mm
Flash Point	> 93°C
Solvent Content	None
Handling Cure Time	5 – 8 minutes
Functional Cure Time	1 – 3 hours
Full Cure Time	24 hours
Temperature Range	-55°C to +250°C
Compressive Shear Strength	4,575 psi (Steel/Steel)
Coefficient of Thermal Conductivity, ASTM C177, W/m.K	0.10
Coefficient of Thermal Expansion, ASTM D696, K <sup>-1</sup>	80 x 10 <sup>-6</sup>
Specific Heat, kJ/kg.K	0.30

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### CHEMICAL RESISTANCE PROPERTIES

Chemical	Temperature	% Initial Strength Retained	
		500 hours	1,000 hours
Acetone	22°C	100	100
Ethanol	22°C	100	100
Motor Oil	125°C	100	95
Petrol	22°C	100	100
Brake Fluid	22°C	100	100
Water/Glycol	87°C	90	100

### SHELF LIFE

**12 months from the date of manufacture** in accordance with the following conditions:

Store in its original, unopened container in a cool, dry place at continuous temperatures between 7°C and 27°C. Long term exposure outside of these temperatures will reduce the shelf life of this material.

### FIRST AID & SAFETY PRECAUTIONS

**Always refer to Safety Data Sheet/s before use.** Use proper Personal Protection Equipment. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Avoid breathing fumes. Keep away from heat, sparks, open flames, and hot surfaces. This product may produce adverse health conditions, ranging from minor skin irritation to serious systemic effects. It should not be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheet/s for this product have been fully understood by all persons who will work with the material.

### STORAGE & TRANSPORT

**Refer to Safety Data Sheet/s for recommendations.** As a general precaution, keep containers tightly closed, protect from sunlight, and do not expose to temperatures exceeding 50°C. Do not return any unused material to its original container. Containers should be secured and stored upright during transit.

### DISCLAIMER

Every effort has been made to ensure the information provided in this document is accurate at the date of publication. Chemtools® Pty Ltd expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools® Pty Ltd shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.