

N109 W13300 ELLSWORTH DRIVE GERMANTOWN, WI 53022
262-253-5900 FAX 262-253-5919

DESCRIPTION:

Resinlab® RC8000 anaerobic retaining compounds are designed for use in demanding applications to fill the spaces and surface irregularities between tightly mated cylindrical parts. These products form a tough permanent bond which greatly enhances the torque and pullout strength. They are single component solvent free materials manufactured in a wide variety of viscosities and setting times to satisfy specific bonding applications. This technology increases the reliability and performance of assemblies while reducing dependence upon maintaining costly tight machining tolerances.

TYPICAL PROPERTIES:

All properties given are at 25 °C unless otherwise noted.

Product	Color	Gap fill (mil)	Viscosity (cps)	Shear strength (psi)*	Temp range °F	Cure Speed (fixture / full cure)	S.G.
RC8003	Green	5	125	3800	-65 to 350	10 minutes / 8 hours	1.10
RC8009 ¹	Green	5	125	3800	-65 to 350	15 minutes / 8 hours	1.10
RC8020	Green	15	8500	4000	-65 to 450	15 minutes / 8 hours	1.16
RC8035 ²	Green	10	2000	4200	-65 to 350	10 minutes / 8 hours	1.05
RC8038	Green	10	2500	4500	-65 to 350	2 minutes / 8 hours	1.02
RC8040 ³	Green	7	600	3500	-65 to 450	40 minutes / 8 hours	1.12
RC8041	Yellow	10	750	1800	-65 to 350	15 minutes / 8 hours	1.07
RC8048	Green	6	500	4000	-65 to 350	2 minutes / 8 hours	1.13
RC8060	Silver	20	250,000	3500	-65 to 350	10 minutes / 24 hours	1.13
RC8075 ⁴	Green	5	125	3500	-65 to 350	30 minutes / 24 hours	1.09
RC8080	Green	15	1400	4200	-65 to 450	5 minutes / 8 hours	1.11

* Strength values given are: (steel/steel lap shear)

Meets:

¹MIL-R-46082B, Type I

²MIL-S-46082B, Type III

³MIL-R-46082B, Type I

²MIL-S-46082B, Type I

PREPARATION:

For best results and optimum adhesive performance, surface should be clean and free from contaminants. Contaminants can be removed by using suitable solvents. When using a cleaning solvent, first check for material compatibility particularly in case of plastics. An easy method for removing contaminants is by using a clean soft cloth and wiping the surface with acetone or alcohol.

APPLICATION:

The RC 8000 Series products should be applied in small amounts to one surface only. The absence of oxygen starts the curing process of the polymer. Pressure need only be applied for several seconds. The RC 8000 *Series* cures rapidly to a moderate strength allowing for bonded parts to be handled within 2 to 40 minutes depending upon which product is chosen.



TECHNICAL DATA SHEET RC8000 Series

10/17/2016

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SHELF LIFE:

All of the *Resinlab*[™] Series anaerobic products have a shelf life of one year when stored at 40 °F. Shelf life at room temperature (72 °F) is a minimum of six (6) months. When stored in a refrigerator, allow the adhesive to gradually warm to room temperature prior to use. Avoid heat or storage over 100 °F, direct sunlight and high moisture areas when storing. Avoid contaminating open containers. Do not return unused adhesive to original container.

HANDLING PRECAUTIONS:

All of the *Resinlab*[™] Series anaerobic products are non-toxic and do not constitute a health hazard. Normal precautions should be observed. Use in area where there is adequate ventilation. KEEP AWAY FROM CHILDREN.

Should eye contact occur, flush with water for 15 minutes and obtain medical attention.