



Pacer Technology Universal Flange Sealant is a one component, gel-like anaerobic material used for replacing or dressing conventional pre-cut gaskets. Unlike traditional pre-cut gaskets, Universal Flange Sealant will not leak due to compression set or relaxation. Typical applications include sealing engine transmission flanges, water pumps, gearbox covers, transaxle casings, intake manifolds and diesel engine flanges. Product is thixotropic and non-sagging on vertical surface applications.

PROPERTIES:

<u>Liquid State</u>	
Chemical Description	Urethane methacrylate
Color	Purple/red
Viscosity, cps	1,250,000 (@ 1.5rpm)
Gap Filling Capability	.025"
Specific Gravity (@ 20 ⁰ C)	1.10
Flashpoint, (COC)	>200 ⁰ F (>93 ⁰ C)
Vapor Pressure (mm Hg @ 25 ⁰ C)	<5mm
Volatile Organic Compounds	100% solids

<u>Cured State</u>	
Fixture Time, steel	20-30 minutes @72F depending upon gap
Full Cure Time	4hr @ 72 ⁰ F on steel, 24hr on aluminum
Temperature Range	-65 to 300 ⁰ F (-54 to 150 ⁰ C)
Instant Sealing Pressure	100 psi
Tensile Shear Strength	1200 psi
Shore D Hardness	50-60
Solvent Resistance @ 140 ⁰ F	>90% retention of strength after 150hr immersion (lubricating oils, glycol/water, transmission fluid)
Fluid Resistance	Gasoline, oil, antifreeze, water, transmission fluid and grease

STORAGE AND SHELF LIFE:

Storage suggested at below 73⁰F (23⁰C). Keep product away from UV light and heat sources. Do not freeze. Stored under these conditions, a one-year shelf life can be expected. Allow product to come to room temperature prior to use or slower cure will occur.



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APPLICATION CHARACTERISTICS:

Surfaces should be clean and dry, free from oil and dirt. Apply a continuous bead on flange to be sealed, encircling bolt holes. Position mating flange over product-applied part and assemble without lateral movement. Insert and tighten bolts according to manufacturer's specifications. Excess product which squeezes out will not cure and can be wiped from surfaces with solvent-soaked cloth. This product is not recommended for drinking water pipe applications.

Note: Universal Flange Sealant only cures after parts are assembled, a benefit should an interruption occur during the assembly process. Once assembled, bolts should be positioned and torqued within 30 minutes. Product is anaerobic and will not cure if exposed to oxygen.

SAFETY AND HANDLING PRECAUTIONS:

The chemicals present in this product are considered irritants and sensitizers. Irritating to eyes and skin. Avoid prolonged skin contact. In case of skin contact, wash with warm, soapy water and seek medical attention if irritation persists. In case of eye contact, flush with water for 15 minutes and seek medical attention. If ingested, do not induce vomiting. Obtain immediate medical attention.

For more information, refer to Material Safety Data Sheet, available upon request. In case of emergency, call CHEMTREC at (800) 424-9300 or call Pacer Technology at (800) 538-3091 (outside CA only), or (909) 987-0550.

ORDERING INFORMATION

Part #FG08030 50 mL tube

Rev 5 – 2016 kr

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