

**TECHNICAL DATA SHEET****625°F WHITE RTV SILICONE****DESCRIPTIONS:**

**SILOCK 625°F WHITE RTV SILICONE** IS A HIGH TEMPERATURE RESISTANCE SILICONE FOR SENSOR SAFE AND HEAVY-DUTY APPLICATIONS, THIS FAST CURING SILICONE MAKES PERFECT GASKET THAT RESIST CRACKING, SHRINKAGE AND MIGRATION CAUSE BY THERMAL CYCLING, IT REMAIN FLEXIBLE AND STABLE FROM -80°F TO 625°F (-62°C TO 329°C), IDEAL FOR ENGINE REPAIRING AND REPLACEMENT FOR PAPER, RUBBER AND ASBESTOS GASKET.

**FEATURES:**

- ◆ ACETIC ACID CURING SYSTEM.
- ◆ OUTSTANDING HIGH TEMPERATURE RESISTANCE UPTILL 329°C.
- ◆ EXCELLENT OIL AND GREASE RESISTANCE.
- ◆ NO SAGGING.
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS.

**USES:**

- ◆ HIGH TEMPERATURE RESISTANT GASKET AND JOINT SEALING.
- ◆ FORM IN PLACE GASKET APPLICATIONS.
- ◆ ASSEMBLIES OF VALVE COVER, TIMING COVER, OIL PAN, TRANSMISSION PAN, WATER PUMP, THERMOSTAT HOUSING FOR AUTOMOBILES.

***WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS***

**NOT RECOMMENDED FOR:**

625°F WHITE RTV SILICONE IS AN ACETIC ACID CURING SILICONE AND IS NOT SUITABLE FOR USE WHERE THE ACETIC ACID COMPONENT WILL CORRODE THE BASE MATERIAL.

NOT FOR: 625°F HI-TEMP WHITE RTV SILICONE IS NOT PAINTABLE.

NOT FOR: PE, PP, PTFE AND BITUMINOUS SURFACE.

NOT FOR: PARTS IN CONTACT WITH GASOLINE.

**JOINT DESIGN:**

THE SPECIFIED SEALANT BEAD SIZE SHOULD BE CALCULATED TO COMPLY WITH THE COMPRESSION AND EXTENSION CAPABILITIES OF THE SEALANT IN RELATION TO THE ANTICIPATED JOINT WIDTH DUE TO THERMAL EXPANSION AND CONTRACTION.

GENERALLY CALCULATION OF THE WIDTH OF SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM ± 25 % COMPRESSION AND EXTENSION CAPABILITY MINIMUM BEAD SIZE SHOULD NOT BE LESS THAN 3MM TO ACCOMMODATE MOVEMENT. DESIGN JOINT DEPTH OF WHICH RATIO WIDTH BECOMES 0.5 TO 1.

SUITABLE JOINT DEPTH VS WIDTH:

6MM X 6MM  
8MM X 12MM  
10MM X 20MM

- \* JOINT SIZE MINIMUM 3MM X 3MM.
- \* JOINT SIZE MAXIMUM 30MM.

**TECHNICAL DATA SHEET****625°F WHITE RTV SILICONE****APPLICATIONS:**

- ◆ REMOVE OLD GASKET MATERIAL FROM SURFACES THOROUGHLY.
- ◆ CLEAN SURFACE WITH RESIDUE-FREE SOLVENT AND ALLOW SURFACE TO DRY.
- ◆ CUT NOZZLE TO DESIRED SIZE.
- ◆ SQUEEZE TUBE TO FORM A CONTINUOUS AND EVEN BEAD TO THE PERIMETER OF MATING SURFACE AND ALL BOLT HOLES.
- ◆ TOOL WITHIN 5 MINUTES.
- ◆ TIGHTENED TO THE REQUIRED TORQUE, DO NOT OVERTIGHTEN.
- ◆ CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE.

**CURING TIME:**

625°F HI-TEMP WHITE RTV SILICONE WILL TACK FREE IN APPROXIMATE 15 MINUTES AND WILL CURE TO A DEPTH OF 10MM WITHIN 7 DAYS. LONGER CURING TIME MAY BE NECESSARY IN DRY AND LOW HUMIDITY AREA.

**SPECIFICATIONS:**

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	1.03 ± 0.03
SHORE A HARDNESS	29 APPROX.
ELONGATION	400% APPROX.
TENSILE STRENGTH	2.8MPA APPROX.
TOOLING TIME	5 MINUTES
TACK FREE TIME	15 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMPERATURE	-62°C TO 329°C
SHelf LIFE	12 MONTHS

**STORAGE:**

MATERIAL SHOULD BE STORED IN A DRY AND COOL PLACE BETWEEN +5°C TO +30°C.

**CAUTION:**

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET OF THIS PRODUCT BEFORE HANDLING OR USING.

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