

PRODUCT DATA SHEET

ASMACO RTV SILICONE GASKET MAKER

PRODUCT DESCRIPTION

ASMACO RTV is single component form – in – place silicone gasket maker suitable for replacing most of pre-foamed / cut gaskets. It is fast curing and foams any shape immediately. On curing, gasket is permanently flexible, resistant to cracking, shrinking and resistant to Oil, water, Anti-freeze and transmission fluids. It can be effectively used for sealing automobile timing chain covers, differential covers and oil sump flanges etc...With stands extreme temperatures and pressure.

FEATURES

- Easy – to – use one component type.
- Cures at room temperature at ambient humidity conditions.
- Substitute for cut gaskets / pre-foamed gaskets
- Resistant up to 300° C
- Withstands more than 150psi pressure.

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	
Cure system	Acetic
Color	Red, Black, Grey, Blue, Clear & White
Specific Gravity	1.13
Slump	Nil
Skin over time, Minutes, Approx.	5 -7
Tack free time, Hours, Approx.	1
Cure rate, mm/day	3
Application temperature range ,°C	+5 to +40
Service temperature range, °C	-65 to +300
Durometer Hardness (Shore A , ASTM D 2240) 6mm thick sealant, Approx	20
Elastic Recovery (ISO 7389), % Approx	>90
Pressure Resistance	150 psi

TYPICAL APPLICATIONS:

Remove old gaskets, oil, grease etc.. Clean all surface thoroughly and prepare flange surface. Remove the cap and puncture inner seal using the other side of the cap. Cut the nozzle to required size and screw on to the thread. Continuously apply uniformly 1/16th to 1/8th beads around the perimeter of one surface. Completely surround all bolt holes. Wait for 10 minutes to foam surface skin on gasket and then assemble the parts.

Different surfaces such as Oil pans, Transmission pans, Valve covers, Valves and guides, Timing gear covers, Differential covers

CURE TIME:

The time required for curing is affected by atmospheric conditions like relative humidity and temperature, degree of confinement and thickness of the sealant. The product cures at a rate of 3mm per day @ 25°C and a relative humidity of 50%. Less moisture content reduces the rate of cure. Curing time increases with thickness. The application in confined spaces generally lengthens the curing process. It is possible that in total confinement the curing will not be complete and this will result in the softening of the sealant in elevated temperatures. Metal to metal bonds should not overlap more than one inch. Every application involving confinement while curing must be thoroughly tested before commercialization.

Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended. Apply ASMCO RTV SILICONE GASKET MAKER Silicone Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms (typically within 5 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

CAUTION:

DIRECT CONTACT WITH UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVER EXPOSURE TO VAPOUR MAY IRRITATE NOSE AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water. KEEP OUT OF REACH OF CHILDREN. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage

STORAGE AND SHELF LIFE:

Store in cool dry place, not over 25°C away from direct sun light and source of heat. **ASMACO RTV** has a shelf life of 12 months from the date of manufacturing if stored in original unopened container. In places where high heat and humidity are present, special precautions must be taken. Store product in a covered, well ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity condition may reduce shelf life by around 30 %. Follow First In First Out strictly. Cartons should always be stacked upright with nozzle tip pointing upwards. Don't stack cartons on their sides. Never stack cartons more than 8 high. Don't store within one meter of roofing of the ware house or storage building.

PACKAGING:

ASMACO RTV is available in aluminium collapsible tubes.

SHIPPING LIMITATIONS:

None

NOTE:

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non - warranty:

Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.