

SILICONE SOFTENER

1. DESCRIPTION

Silicone Softener is a silicone rubber additive in RTV C204 for reducing the hardness whilst maintaining a measure of strength.

2. ADVANTAGES

- Cures within RTV C204
- Maintains a measure of strength
- Low bleed from RTV C204

3. APPLICATIONS

When used in conjunction with RTV C204 to produce animatronic flexible skin effects where a soft elastic system is required.

4. CHARACTERISTICS

a) CONSTITUENTS:

	Silicone Softener
Appearance	Low Viscosity Liquid
Colour	Opaque white
Specific Gravity / gcm^{-3} @20 °C	1.13
Viscosity / cps	5000

b) MIXING:

Silicone Softener can be added to RTV C204 up to 30% w/w. It is often blended with Silicone Fluid 50cs up to 50:50 with Silicone Softener in order to achieve a given effect. Actual blend ratios must be evaluated by the user as requirements vary from application to application.

Where more than 5%w/w mixture is added to RTV C204, additional hardener may be required to achieve the expected working time. Either extra catalyst or an accelerator will achieve this.

c) AFTER CROSSLINKING:

Overall cure time, hardness and strength will depend on the quantities of fluid and softener added. Please ensure that sufficient tests are made before committing a quantity of product to a job.

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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d) ADDITIVES:

Accelerator No. 1 may be used to shorten a cure time where large amounts of softener/fluid have been added to RTV C204.

Additive HTC (Clear) when added to a mixture of RTV C204 and catalyst 81B, will make a mixture applicable by a pallet knife or brush. Initial levels should begin at 2-4%. Where large amounts of softener/fluid have been added, the amount of HTC clear should be increased until the desired effect is achieved. (No more than 10%)

5. PACKING

Available in 100gms to 5kg.

6. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

Handling and mixing of Silicone Softener requires the following precautions:

- i. Wear gloves & goggles
- ii. Do not eat, drink or smoke.
- iii. Avoid swallowing or skin or eye contact.
- iv. If contact does occur, wash with clean water immediately and in the case of eye contact, consult a doctor.

7. SHELF LIFE

Silicone Softener has a minimum shelf life of six months when stored in the original containers at temperatures between 18 and 25°C.

Some setting out may occur after long term storage. This can be remedied by blending.

Note: If allowed to freeze the RTV will be spoilt. If allowed to be heated by excessive temperatures, gel times will be substantially shortened.

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