

## SC-5001

### RTV SILICONE THICKENING AGENT FOR BJB CASTING SYSTEMS

SC-5001 is a thickening agent that can be used with BJB's TC-5005, TC-5015, TC-5024, TC-5030, TC-5040, TC-5050 and TC-5060 silicones. SC-5001 should be added after parts A and B have been thoroughly mixed. Adding 2% - 5% SC-5001 to the total weight of the A/B mixture is recommended. At 2%, the mixture will have a cold cream consistency. At 5%, the mixture will be more like peanut butter. Application procedures will vary depending on the users' preference. Typically, the model will be first coated with the silicone without adding SC-5001. Secondary coats with a 2% - 5% level of SC-5001 should be applied only when the previous layer has gelled to a point that it will not be disturbed by further applications. SC-5001 should be stirred before adding to the silicone mixture. See Mixing Instructions for application guidelines.

HANDLING PROPERTIES	
Specific Gravity @ 77°F (25°C)	1.04
Color	Pale Yellow
Viscosity (cps) @ 77°F (25°C) Brookfield	1,800

#### **MIXING INSTRUCTIONS:**

The SC-5001 works in both tin (condensation cure) and platinum (addition cure) silicones. Some systems like the TC-5005, TC-5050, and TC-5060 do not exhibit extreme thickening reactions so they would need to be applied in thinner coats. Thick coats will drain from the surface. TC-5030 and TC-5040 become very thick with minimal amounts of SC-5001 so less is needed to attain results.

TC-5005	TC-5015, TC-5024, and TC-5045	TC-5030 and TC-5040	TC-5050 and TC-5060
Add 5% for a fair hang in a thin layer; 7% gives a fair hang in 1/16" thickness. Possible drain off.	2% addition by weight gives good hang capabilities in a thin layer. Add 5% for 1/8" thickness.	Add 1% to obtain good hang in a thin layer; 2% addition gives good hang in 1/8"+ thickness. Add no more than 2%.	The addition of 5-7% will give a fair hang in 1/16" thickness. Possible drain off.

#### **STORAGE:**

Store at ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 12 months from date of shipment when properly stored at recommended temperatures.

PACKAGING	WEIGHT
Quart	2 lbs.
Gallon	8 lbs.

### **SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

### **IF CONTACT OCCURS:**

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Refer to the Material Safety Data Sheet before using this product.**



SC-5001 SDS