



# SC-111

## SINGLE COMPONENT ALIPHATIC WATER-BASED IN-MOLD COATING

### **DESCRIPTION:**

SC-111 is a water-based, aliphatic polyurethane coating designed to provide a paintable or final finish surface for various flexible polyurethane foams and elastomers.

- Provides a uniform matte finish
- Clear base is easy to tint or pigment
- Excellent color retention
- Exceptional weatherability
- Very durable while maintaining flexibility
- Water based for easy cleanup

### **PHYSICAL PROPERTIES:**

Specific Gravity.....	1.04
Color/Appearance.....	Off white liquid
Tensile Strength, (psi) ASTM D412.....	2800 ± 200
Elongation, (%) ASTM D412.....	150
Tear Strength, (psi) ASTM D624.....	380 ± 20
Solids, (%).....	35
VOC Content, (g/l).....	52
Viscosity, (cps) @ 77°F (25°C).....	55

### **APPLICATION INFORMATION:**

The recommended method of applying SC-111 is by spraying with conventional spray gun or by using an airless spray system. Generally if an airless spray gun is used, tip orifices should range between 0.015” to 0.021” in size. The recommended spray pressures with a conventional spray gun will normally range between 15 to 25 psi. Adjust either the conventional spray gun or airless system until a smooth uniform coating is produced. One to two coats should be applied to achieve a 1-2 mil dry film thickness.

1. Apply a light mist coat – wait 2-3 minutes.
2. Re-coat with a heavier wet coat – wait 7-10 minutes.
3. Re-coat with a heavier wet coat – wait 7-10 minutes before casting behind.

**APPLICATION INFORMATION (continued):**

Maintain clean dry mold surfaces prior to spraying SC-111. Platinum or tin based silicone molds may not require the use of release agents. Plastic, metal, and plaster molds will require the use of release agents and plaster will require a sealer before the use of a release agent.

BJB recommends the following release agents that are available from our stock:

1. Meguiar's #87 paste wax – Apply a light coating and buff to avoid fisheye.
2. BJB's Challenge 90 – Apply a light uniform coat, wipe or buff out to avoid streaking.
3. Stoner's E302 Rocket Release – Spray three light uniform coats. By maintaining a uniform coating, no fish eyes or streaks will be transferred to the SC-111 coating.

**PIGMENTATION:**

The SC-111 can be pigmented with aqueous pigment dispersions. Contact a BJB technical representative for further information.

**STORAGE:**

Store in a cool dry place. Material **must** be kept above 50°F (10°C). **DO NOT ALLOW TO FREEZE.** Unopened containers will have a shelf life of 12 months from the date of shipment when properly stored at room temperatures. Purge opened containers with dry nitrogen before re-sealing.

**PACKAGING:**

Quart .....	2 lbs
Gallon .....	8.5 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.**

NON-WARRANTY "Except for a warranty that materials substantially comply with the data presented in Manufacturer's latest bulletin describing the product (the basis for this substantial compliance is to be determined by the standard quality control tests generally performed by Manufacturer), all materials are sold "AS IS" and without any warranty express or implied as to merchantability, fitness for a particular purpose, patent, trademark or copyright infringement, or as to any other matter. In no event shall Manufacturer's liability for damages exceed Manufacturer's sale price of the particular quantity with respect to which damages are claimed."