



SC-94 REV 1 SINGLE COMPONENT WATER-BASED COATING



SC-94 REV 1 is a water-based, aliphatic polyurethane coating designed to provide a final finish or paintable surface for various flexible polyurethane foams, elastomers, and latex products. It can also be used as an in-mold coating for casting or brushing polyurethane products behind.

- Adhesion to multiple substrates
- Can be applied in a flat or gloss finish
- Clear base is easy to tint or pigment
- High elongation and tensile/tear resistance

PHYSICAL PROPERTIES	RESULTS
Specific Gravity @ 77°F (25°C)	1.05
Color/Appearance	White liquid / Dries clear
Tensile (D-882, psi)	3,850
Elongation (%)	1,000
Solids (%)	32
VOC Content (g/L)	51.6
Viscosity (cps) 77°F (25°C)	200

APPLICATION INFORMATION:

The recommended method of applying SC-94 REV 1 is by spraying with conventional spray gun. Brush coats may be used but spraying is more uniform. When pigmented with water based pigments, 2 to 3 coats should be applied to achieve an opaque film. Surfaces should be clean and dry. A liquid dish soap and water solution is an effective surface cleaner. A primer like BJB’s TC-89 will greatly increase adhesion to surface. Reference the TC-89 Data Sheet for application procedure.

Flat Finish: (the following times are determined at 77°F and 50% humidity)

1. Apply a light mist coat – wait 2-3 minutes.
2. Re-coat with a heavier wet coat – wait 10-12 minutes.
3. Re-Coat with 2-3 light mist coats every 5 minutes.

Gloss Finish:

4. Apply a light mist coat – wait 2-3 minutes.
5. Re-coat with a heavier wet coat – wait 10-12 minutes.
6. Re-coat with a heavier wet coat – wait 25-30 minutes* before casting behind (longer if temperatures are cooler).

APPLICATION INFORMATION (continued):

Brush coat Application: Applying multiple thin coats will reduce stroke marks and dry faster than thick coats.

1. Apply thin coats to surface avoiding drips or runs- wait 12-15 minutes between coats.

In-Mold coating: 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. PartAll paste wax – Apply a light coating and buff to avoid fisheye.
2. BJB’s Challenge 95 – 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-94 REV1 coating.

PIGMENTATION:

The SC-94 REV 1 can be pigmented with water based pigment dispersions. Typically 2-3% by weight loading achieves an opaque, uniform color.

CLEAN UP:

Warm water and liquid dish soap can be an effective solution for cleaning up if SC-94 REV1 is still in liquid form. Paint thinner can be used for cleaning spray gun parts or partially cured SC-94 REV 1. A spray gun cleaning brush should be used to effectively remove residual coating material.

STORAGE:

Store in a cool dry place. Material should 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 lbs.
5-Gallons	40 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.

NOTE:

Refer to the Safety Data Sheet before using this product. For processing tips and guides, please visit: learn.bjbmaterias.com to discover additional information.