



SC-115

SINGLE COMPONENT ELASTOMERIC WATER-BASED COATING

DESCRIPTION:

SC-115 is a water based, aliphatic polyurethane coating. SC-115 can be used as a stretch coating for most plastics, foams, synthetic rubber, flexible polyurethane foams, and polyurethane elastomers such as SkinFlex. This product, when brushed or sprayed, will air dry quickly to form a soft, stretchy elastomeric coating with these outstanding characteristics:

- √ A water-based, non-yellowing clear coating
- √ 2000 psi tensile strength with exceptionally high elongation
- √ 620% elongation
- √ Forms soft stretchy low modulus skins
- √ Good solvent and water resistance
- √ Exceptional gloss and color retention
- √ Excellent as a soft stretchy barrier or tie coating
- √ Excellent as a textile coating, giving a soft feel to fabrics
- √ Does not require organic solvents for thinning

PHYSICAL PROPERTIES:

Density, (g/cc) ASTM D-792.....	1.10
Color/Appearance.....	Milky white liquid
Tensile Strength, (psi) ASTM D-412.....	2200 ± 200
Modulus @ 100%, (psi).....	400
Modulus @ 300%, (psi).....	200
Elongation, (%) ASTM D-412.....	620
Water Absorption, % swell, linear.....	5
Solids, (%).....	40

HANDLING PROPERTIES:

Viscosity (cps).....	200 ± 100
Dry time, (3 mil-wet film on glass) @77° F (25° C).....	15 minutes

PROCEDURES AND MATERIALS:

1. Thinning the SC-115 should not be necessary. If thinning is required use distilled water.
2. Clean any mold releases or other contaminants from the surface before applying SC-115. A liquid soap and water solution is preferred for cleaning. Solvent cleaning may cause problems by being absorbed or degrading the substrates being cleaned.
3. Apply TC-89 Primer to the areas that will be painted. Apply and allow to dry for approximately 45 to 60 minutes. Spraying or air brushing offers the best results.
4. Color the SC-115 coating with water dispersible pigments. Very small amounts of pigment should be added until the appropriate color is reached.
5. Air brushing is ideal, particularly for small areas or for detailed applications.
6. If a spray gun is used, air pressure as low as 18 to 20 psi, and generally not more than 30 psi should be used.
7. SC-115 may be applied by brushing the coat onto a surface. It is often better to apply thin coats rather than going too thick. The thin coat method also reduces brush marks.
8. If SC-115 is being used as a barrier coat in the mold, allow 60 minutes for the SC-115 to dry before applying other materials behind it.

PIGMENTATION:

SC-115 can be tinted with water dispersible pigments. Very small amounts of the pigment dispersions are needed for coloration.

STORAGE:

Store at room temperature in a dry place. Shelf life is 6 months from date of shipment in unopened containers.

PACKAGING:

5-Gallon Pail..... 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. 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.