



#12596 SprayClad AC

Description

#12596 SprayClad AC is a liquid, spray on metallizing coating. Its appearance will simulate a bright silver finish. It can be applied directly to many substrates such as metal, wood, plastic or glass, and will produce a bright metal finish. **#12596 SC AC** is very versatile and can be used on small runs or large items and does not require special equipment.

Suggested Uses: **#12596 SC AC** can be used in every industry; hardware, automotive, lighting, trophies, jewelry, fishing lures, statuary, picture frames, cosmetic containers, architectural metal maintenance and more.

DOT SPECIFICATIONS:

PAINT, 3, Flammable Liquid UN1263, PGII

Benefits

- * Bright metal finish.
- * Use with or without primer.
- * Use with your existing conventional spray equipment
- * Easy application
- * Use on small runs or large items.
- * Can be toned or antiqued to match almost any metal finish.
- * Will work on a variety of substrates, metal; plastic; glass etc.

General uses:

#12596 SprayClad AC is most useful to brighten otherwise dull metals, or to bring mixed metal and plastic products to a uniform bright metal appearance. This ability allows for subsequent toner topcoats, which can simulate any type of metal, or oxide metal finish.

If used without a basecoat or primer, **#12596 SC AC** will exactly mimic the finish of the substrate it is applied to.

#12596 SC AC has excellent adhesion to most substrates, and has been used successfully to replicate Irish Mirror as a second surface coating.

Variations:

Nikolas makes three types of SprayClad for various requirements. .

#12711 SprayClad AC air dry; should be used over **#12667 Clear Eco-Thane** or equivalent.

#12596 SprayClad AC air dry; will work without primer on ABS; acrylic; urethane plastic, as well as many metals and glass.

#12691 SprayClad HC Bake bake at 275 degrees F for 30 minutes. Should be used over a baked basecoat. This version holds its brightness better than our other versions. Also works with **Powder Coatings**.



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#12596 *SprayClad AC*

Directions for Use: Base Coat Primer

#12596 *SC AC* will work on most substrates without a primer. However, a near mirror finish can be achieved if used on top of a high gloss primer or basecoat. Basecoats which will not re-dissolve give the best results. Bakes, urethanes, and two part epoxies are all suitable, as well as many powder and e-coat basecoats. #12667 **Clear Eco-Thane** or #12559 **Black Epoxy** are well suited for basecoats. Both are two component coatings.

Using a primer as a basecoat for *SC AC* to achieve a metalized look is important for two reasons. First, it insures the best adhesion of the *SC AC* to the substrate. Second, it smooths any imperfections that may be present on the substrate such as casting or polishing marks.

When used on basecoats that will re-dissolve, the metallizing effect of *SC AC* is disturbed when the solvents from the topcoat penetrate to the basecoat and re-solubilize the basecoat. This results in a muting of the shine, i.e. the metallizing effect is mostly lost.

Note: Use #12711 *SprayClad* when wanting to achieve a **near mirror finish**.

Directions for Use: Application

Metallizing Coat: Mix #12596 *SC AC* thoroughly. *SC AC* is ready for use and further reduction is not recommended. *SC AC* is best applied at lower air pressures, typically around 25- 35 PSI. Adjust the gun's fluid output until it is closed and no material emits from the nozzle. Slowly open the gun until a light spray mist is produced. Begin coating the piece, lapping strokes between 50 to 75%. Applying *SC AC* in this manner will initially give a "dry spray" look, but will metallize within seconds and dry to a bright metallic finish. Continue coating until the desired level of opacity is achieved. Allow *SC AC* coat to set 8 hours before proceeding. To force dry, flash off 5 minutes and bake between 120 to 140° F for thirty minutes. Fully cool to room temperature before proceeding.

Clear or Tone Coat: Prepare clear lacquer or toner for spraying. Set air pressure between 45 to 55 PSI. Apply a thin wet coat, and allow coat to set at least 30 seconds. Apply a final full wet coat and allow to air dry overnight before packing or force dry as mentioned in previous steps. Product can be packed 1 hour after cooling if force dried, or after 24 hours if air dried.

Nikolas Century; #12164 OD; and #12667 Clear EcoThane lacquers are all suitable for top-coating *SC AC*. See Nikolas **ToneCoats** for a selection of simulated metal; metal oxide; or candy colors



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Precautions

To achieve any abrasion resistance, *SCAC* requires a clear or toned topcoat. Some brilliance of the metallizing may be lost when the topcoat is applied. This can be minimized by allowing full cure time of base coat and metallizing coat. Do not spray too heavy when applying first top coat pass. Allow the coat to flash off at least 30 seconds before applying a full final wet coat.

Protective Equipment

Eyes: Safety glasses
Skin: Neoprene rubber gloves
Respiratory: NIOSH approved respirator for organic vapor.
In case of fire: Use foam, dry chemical, CO₂, water or spray fog.
Grounding: When transferring, fill stem and container must be grounded and bonded.

CONSULT MSDS PRIOR TO HANDLING.

Safety

Keep away from heat, sparks, and flames. **USE WITH ADEQUATE VENTILATION.** Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapor or spray mist. Do not take internally. **KEEP OUT OF THE REACH OF CHILDREN.** Before smoking or eating and after using, cleanse hands thoroughly. Keep container closed when not in use.

Effects of Overexposure:

Prolonged use may cause mild irritation to eyes.

Skin Contact:

Can cause irritation, may be absorbed through the skin and cause defatting.

Inhalation:

May cause respiratory irritation, dizziness and drowsiness.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.



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