



Conductive Containers Incorporated

1134-SC Conductive Coating VINYL SOLVENT BASE FOR INDUSTRIAL USE ONLY

1134-SC is a conductive vinyl coating that is used to seal unskinned polyurethane foams. 1134-SC can also be used on molded polyurethane and closed cell foam containing vinyl.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	ASTM	VALUE
Solids: (wt)		26%
Temperature use range:		-0° F to 200° F
Conductivity:		10^2 - 10^4
Shelf Life:		1+yrs. @ 77°F Unopened container
Finish:		Satin
Chemical resistance:		
Acids, alkalines, alcohols:	D-1308	Excellent
Petroleums:	D-1308	Good
Ketones:	D-1308	Limited
Coverage:		80 sq.ft./gal. at 5mil

OTHER FEATURES INCLUDE:

Excellent flexibility, scuff resistance, (eliminated FOD), cushioning and non-skid properties.

All information, recommendations and suggestions appearing in this bulletin concerning the use of our products are based upon tests and data believed to be reliable: however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Conductive Containers, Inc. as to the effects of such use or the results to be obtained, nor does Conductive Containers, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable, when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent.

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SURFACE PREPARATIONS:

All surfaces to be coated must be free of any oils, dust or particles.

USE ADEQUATE VENTILATION.

MIXING INSTRUCTIONS:

QUALITY CONTROL RECOMMENDATIONS FOR SPRAY AND DIP APPLICATIONS.

Like most liquid vinyls, 1134-SC may coagulate during storage, requiring thorough remixing agitation before use each day. For best results, a *high speed air/explosion proof electric drum mixer along with a Cowles® or other dispersion blade gives the maximum combination of high shear, excellent flow and circulation. Diameters of 3" for mixing five gallon containers and 7" for mixing 50 gallon drums. Note: It has been found that the dispersion blades are highly effective, fast and produce more shearing action than can be obtained from a standard mixing blade or paddle. After the 1134-SC been agitated thoroughly, it should last 8 to 10 hours depending on your spray equipment and temperature.

Avoid making solvent additions before mixing. Check viscosity. Some adjustments may be necessary for your particular use. Contact technical service for specific applications.

If applying to open cell foam follow Prime, Seal and Finish steps. If applying to non-porous surfaces follow Finish step only.

Prime coat: Set pot pressure at 20-25psi and atomizing at 30-50psi, open pattern adjustment for a 2"- 4" pattern at 6"-10" from surface. Aim spray gun at foam and fully trigger spray gun. Open material adjustment until a uniform, wet splatter appears on the foam. The wet splatter should melt or flow into the surface of the foam. Coat all sides (except bottom) with an overlapping motion. Make sure all corners and edges are thoroughly primed. The prime coat should be wet to the touch but should not completely color or cover the foam. Its purpose is to wet or prime the surface for the sealing coat, a necessity for proper adhesion.

Seal coat: After the prime coat has been applied, immediately begin sealing the foam by only partially pulling the trigger back from its previous setting until a dry, web coating appears. This seal coat should appear lighter in color than the prime coat. Hold gun approximately 6"-10" from surface and use an overlapping motion, being sure to completely seal the surface. If seal coat is applied too dry, poor adhesion will result. If applied too wet, sealing surface may become difficult. Again, seal all sides (except bottom), being sure to check entire surface for complete seal.

Finish coat: After seal coat has been applied, immediately begin applying the finish coat by fully triggering spray gun as in prime coat. Holding the gun 6"-10" from surface, apply a uniform splatter coat using an overlapping motion. Apply the finish coat as desired in thickness and texture. The finish coat is necessary to increase seal coat strength and durability. Allow the finished coated part to dry to the touch (see caution), minimum 5 minutes, then return to prime coat, seal coat, and finish coat bottom of part. Follow instructions and be sure to pay close attention to corners and edges on all steps.

NOTE: To accelerate final drying, place coated object in ventilated oven at 100°F-140°F for 5 minutes. Make sure heat source is safe for this use and that you ventilate properly. To increase coating speed, you may increase atomizing pressure: open material adjustment and pattern adjustment to your comfort level.

RECOMMENDED EQUIPMENT AND SETTINGS:

Binks® model 2001/95 gun

Nozzle: 66SS

Cap: 66SD

Needle: 565

Material: 25psi

Atomization: 30-50psi

Dilution: none required

Clean up: Acetone and Methyl Ethyl Ketone

HINTS: Always mix before spraying. Avoid excessive air movement, heat or humidity. Always use proper ventilation and protection.