



Conductive Containers Incorporated

1034-SC Conductive Coating
FOR INDUSTRIAL USE ONLY

1034-SC is a conductive synthetic rubber coating that exhibits durability, flexibility and strength. 1034-SC can be applied to polyethylene, X-Link PE and EVA foams as well as to many plastics such as ABS. Typical applications are foam packaging, case inserts and specialty products where ESD safe surfaces are needed.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	ASTM	VALUE
Solids: (wt)		31%
Temperature use range:		-30° F to 200° F
Block Resistance:		4hr. @ 140F
Conductivity:		10 ² -10 ⁴
Shelf Life:		1+yrs. @ 77°F
		Unopened container
Finish:		Satin
Chemical resistance:		
Acids, alkalines, moisture:	D-1308	Excellent
Petroleums:	D-1308	Limited
Coverage:		90 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 PREPARATION:**MIX WELL BEFORE USE.**

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

USE ADEQUATE VENTILATION.

SPRAYING: Pressure pot/conventional sprayers may be used. Dilute with recommended thinners 20-50% as needed. Gently mix before spraying. Apply wet, overlapping coats holding gun 6"-12" from surface using a 4" - 6" pattern. Allow 10-20 minutes dry time before applying additional coats to desired thickness.

RECOMMENDED EQUIPMENT AND SETTINGS:

Binks® model 2001/95 gun

Nozzle: 66SS

Cap: 66SD (20-30% dilution) for heavier build up

Needle: 565

Material: 20-25psi

Atomization: 15-25psi

Dilution: as needed

Clean up: Toluene, Naphtha or Xylene

Industrial/commercial airless equipment may be used. Use as described above.

Tip size: .011-.019

Pressure: as needed

Dilution: 20-30%

DIPPING: Dilute with recommended thinners up to 30% as needed. Gently mix before each use. Do not introduce air bubbles. Insert item 1" every 5 seconds. Remove at same rate. Allow 30-40 minutes (dry to the touch) before applying additional coats to desired thickness.

BRUSHING: Dilute with recommended thinners up to 30% as needed. Gently mix before each use. Apply wet, overlapping coats using a soft natural bristle brush. Allow 10-20 minutes (dry to the touch) dry time before applying additional coats to desired thickness.

HINTS:

Recommended thinners: Toluene, Naphtha or Xylene. A dry film thickness of 5-7 mils is recommended for best results. Approximate dry film thickness per coat: dipping 6-8 mils; brushing, 4-5 mils; spraying, 2-5 mils. Allow overnight drying whenever possible. When using a dip tank, allow 6" minimum from fluid surface to tank top to avoid "skinning over". Avoid excessive air movement, heat or humidity. Always use proper ventilation and protection.