



TECHNICAL DATA SHEET #78

F-931/ F-931S ^{eccs}® Containment Coating

POLYURETHANE COATING
FOR INDUSTRIAL USE ONLY

DESCRIPTION:

F-931 is a flexible, cross linked, high performance, high strength, fast set water base coating. F-931 provides excellent glass partial containment for all types, shapes and sizes of glass products and containers. It's very low V.O.C.'s, non-flammable and high solids content make it an Emission Control Coating System, ^{eccs}®, that can be air dried or heat cured to meet production demands. F-931 can be dipped or brushed, is available in clear as well as a variety of custom colors. F-931 exhibits excellent chemical, impact, abrasion, tear strength, UV and block resistance and offers excellent heat/non-yellowing properties.

Typical applications include protecting/ containment of low temperature CFL/ CFT bulbs, colored/ decorating low temp CFL/ CFT bulbs, all types of glass products and containers. Use F-931's' for spray applications.

SPECIFICATIONS: Best Result With 130 F cure to crosslink

Solids: (wt.) 41-43%	Finish: Semi gloss
Elongation: ASTM D 412 825%	Abrasion: excellent
Tensile: ASTM D 412 3680 psi	Permeability: Limited
Tear resistance: ASTM 1004 .70	Temperature use range: -0°F to 250°F.
Freeze Thaw Stability: Excellent	Weather ability: (ASTM G-53) Excellent 7-10 years
Shelf life: 1+ years at 77°F unopened container	

CHEMICAL RESISTANCE:

petroleum: Excellent
acid, alkaline: Good
alcohol, ketone, chlorinated solvent: Limited

ALTERNATIVE PRODUCTS:

Contact Technical Service.

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SURFACE PREPARATIONS:**MIX WELL BEFORE USE.**

All surfaces to be coated must be free of all oils, grease, dirt, wax, and mold release.

USE ADEQUATE VENTILATION.

SPRAYING - F-931'S' ONLY: Pressure pot/conventional sprayers may be used. Gently mix before spraying. Apply wet, overlapping coats, holding gun 6"-12" from surface, using a 4"- 6" pattern. Allow to completely dry before applying additional coats to desired thickness.

RECOMMENDED EQUIPMENT AND SETTINGS:

Gun: Binks® model 2100

Nozzle: 63B

Cap: 63PB or 66SD-3 for heavier build up

Needle: 663A

Material: 25psi

Atomization: 15-25psi

Dilution: none required

Clean up: water, mild solvent if allowed to dry

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

Tip sizes: .011 - .019

Pressure: as needed

Dilution: as needed

DIPPING - F-931 ONLY: Gently mix before each use. Do not introduce air bubbles. Insert item 1" every 5 seconds. Remove at same rate. Allow to completely dry before applying additional coats to desired thickness.

BRUSH/ROLLER - F-931 ONLY: Gently mix before each use. Apply wet overlapping coats using a foam brush, pad or roller. Allow to completely dry before applying additional coats to desired thickness.

HINTS:

For storage or dip tank containers, use only poly or galvanized steel. A dry film thickness of 2-3 mils is recommended for most applications. To speed drying, mild heat (95°F-130°F) and air flow may be used. To cross link bake coated product between 130-350 f for upto 30 minutes. Do not stack or store parts in contact with each other if not fully cured. Avoid excessive air movement, heat or humidity. Always use proper ventilation and protection.