



F-898 eccs® TECHNICAL DATA SHEET #56

F-898/ F-898 'S' General Purpose WB Urethane Coating FOR INDUSTRIAL USE ONLY

DESCRIPTION:

F-898 is a flexible, high performance urethane, fast set water base coating. 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-898 can be dipped or brushed, is available in a wide variety of colors and exhibits excellent petroleum, chemical, UV, corrosion and abrasion resistance. Typical applications include protecting and color coding electronic/automotive coils, fixtures and brackets, oil handling equipment, heavy machinery, and chain link fence components. F-898 bonds to metal, wood, concrete and plastics with minimal preparation. F-898 has the safety of water base with the performance of solvent base coatings. Use F-898 'S' for spray applications.

SPECIFICATIONS:

Solids: (wt.) 35-37%	Finish: Semi gloss
Elongation: ASTM D 412 1700 psi	Abrasion: excellent
Tensile: ASTM D 412 685%	Permeability: Limited
Tear resistance: ASTM 1004 .24	Temperature use range: -0°F to 250°F
Weather ability: (ASTM G-53) Excellent 7-10 years	
Coverage: 150 sq.ft. per gallon at 5 mils	
Shelf life: 1+ years at 77°F unopened container	
Freeze thaw stability: Excellent	

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 loose rust. A sandblasted or rough surface improves adhesion. Roughen any smooth metal surfaces.

USE ADEQUATE VENTILATION.

SPRAYING - F-898 '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 95

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-898 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-898 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 8-10 mils is recommended for best results. Allow overnight drying whenever possible. To speed drying, mild heat (95°F-110°F) and air flow may be used. 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.