



PDC® F-694

SYNTHETIC RUBBER FOAM COATING FOR INDUSTRIAL USE ONLY

DESCRIPTION:

F-694 is a fire retardant synthetic rubber coating that exhibits the ultimate in durability and strength in the foam coatings industry. F-694 can be applied to polyethylene, EVA, as well as to many plastics such as ABS.

F-694 exhibits excellent abrasion, puncture, moisture and chemical resistance. Typical applications are foam positioning devices, buoys, sporting goods and padding, packaging, seat cushions, boat and dock bumpers.

OTHER FEATURES INCLUDE:

Wide variety of pastel colors available.

Excellent flexibility.

Passes UL94 VTM-0 burn testing

May cause artifacts in some imaging applications

SPECIFICATIONS:

Solids: (wt.) 24%

Weatherability: (ASTM G-53): 3-5 years: F-694

Temperature use range: -30°F to 200°F

Block Resistance: 4hr @ 140F

Shelf life: 1+ years at 77°F unopened container

Elongation: (ASTM D-638) 500%

Coverage: 30 sq.ft. per gal at 15 mil

Tensile: (ASTM D-638) 2,500psi

Finish: satin

CHEMICAL RESISTANCE: In House Test Results [ASTM D-1308]

acids, alkalines, moisture, urine: excellent

petroleums: limited

ALTERNATIVE PRODUCTS:

F-717

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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 2100 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 12-15 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.