



Chemline 7125FR

Fire Retardant Polyurethane Hardcoat Encapsulant for EPS Foam

Description

Chemline 7125FR is a 1:1, fast-set, spray applied two-component fire-retardant polyurethane coating. It is 100% solids and contains zero VOCs. When cured, it is highlighted by:

- √ Complies with ANSI Z124: Plastic Bathtub and Shower Units
- √ Excellent impact resistance for protection from handling and moisture
- √ Allows the applicator to achieve a variety of finishes

Application Recommendations

Chemline 7125FR adheres extremely well to EPS foam and steel. It is typically applied to EPS foam as a protective hardcoat encapsulant. It should be applied through a two component, heated, high pressure proportioning unit (1A:1B) capable of dynamic spray pressures of 2000-2400 psi.

For further detail consult the **Chemline 7125FR** Material Standard and seek a Chemline Technical Representative for application training.

Packaging, Storage & Shelf Life

Chemline 7125FR is available in 55 gallon drums and 275 gallon totes. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

Safety

Chemline 7125FR is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read MSDS in its entirety prior to use.

Application Properties

Property	Value
Cure to touch, over EPS foam	30 seconds
Cure to touch, over steel	2 minutes
Cure to handle	3 minutes
Recoat window	30 minutes

Physical Properties

Property	Value
Hardness, Shore D, D-2240	68 D
Flexural modulus, D-729	> 60000 psi
Tensile strength, D-412	> 3000 psi
Elongation, D-412	40 %
Impact strength (direct), C-14	> 80 lbs
Flexibility (180° bend over 1/8 inch mandrel), D-522	Pass at 40 mils
Abrasion resistance (CS17 wheels, 1000g, 1000 cycles), D-4060	80 mg loss

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

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