FIRE POLY FPCC

CLEAR FIRE RETARDANT COATING for

COMPOSITES - FIBERGLASS - PLASTIC - PLASTIC PIPE - PVC - PLASTIC PANELS AND SHEATHING - STYROFOAM - POLYURETHANE FOAM - POLYSTYRENE - FOAM INSULATION - POLYPROPYLENE - EPS - XPS - HDPE - POLYISOCYANURATE RIGID INSULATION BOARD
NOTATION: It is the intumescence created when FIRE POLY FPCC is exposed to flame or high heat that protects the substrate.

FIRE RETARDANT FOR PLASTIC XPS - HDPE ASTM D3806 / ASTM E84 equivalency	FIRE RETARDANT FOR PLASTIC EPS - ASTM D3806 / ASTM E84
ASTM E84 1/4" HDPE PLASTIC PANEL	ASTM E84 1" STYROFOAM
Flame Spread 0.0	Flame Spread 0.0
Smoke Index 190	Smoke Index 100

CLASSIFICATION FOR PLASTIC PIPE
INTERNATIONAL MARITIME ORGANIZATION
(MQ) RESOLUTION A 753 (18) ASTM F1173-95
FIRE RETARDANT COATING

SOUTHWEST RESEARCH INSTITUTE

TEST	MATERIAL TESTED	RESULTS
Fire Endurance and Hydrostatic Evaluation Based on International Maritime Organization Resolution (IMO) Resolution A.753(18); Appendix 2 and ASTM F1173-95 Section A5 Wet Condition Classification of Water Filled Plastic Pipe	Conley epoxy 20, 6-in. FLGXFLG Spool pipe coated with Flame Safe Chemical Corporation's Fire Poly FPCC	PASSED

FIRE ENDURANCE	**PASSED**
Number of fire retardant coats	**1**
Rate per coat (ft^2gal)	**200**

ASTM E84 - CLASS A - NFPA 701 - PASSED

FIRE POLY FPCC TECHNICAL DATA
(Coating for Plastic Pipe)
EXTERIOR/INTERIOR

Fire Poly FPCC

PRODUCT DESCRIPTION: Aqueous Based Resin

PRODUCT ANALYSIS

Total Solids	63%	PH	2.5 - 2.8
Weight per gallon	13.2 lbs	Flash point	Non-flammable
Specific gravity	1.33	Color	Cream color - dries clear when dry
Volatibility	Non-volatile	Solvents	Water (contains no petroleum or derivatives of petroleum.)
Impact Resistance	Good	Bacterial	Good resistance
Corrosive	Slight with some common metals	Moisture absorption	Slight
Toxic	None, (when dry)	Incompatibility (materials to avoid)	Strong oxidizers, alkalis or acids
Scrubability	1000 cycles		

RECOMMENDED USE: Pressurized plastic and composite piping system, styrofoam, polyurethane foam, polystyrene

FLAME SAFE FIRE POLY FPCC: Specially formulated for use on plastic pipe

ENVIRONMENTAL REGULATION:

This product complies will U. S. Federal Regulations concerning the use of lead in paint, and hydrocarbon emissions.

FIRE POLY
FPCC

QUICK REFERENCE FOR APPLYING FIRE POLY FPCC

MATERIAL	APPLICATION	COVERAGE
Plastic Pipe Cabling Styrofoam, polyurethane foam, polystyrene, EPS, XPS, HDPE, PC, PVC, PMMC, and other plastic substrates	Be sure surface is clean and dry before treating. Apply with sprayer head held at 8 to 12 inches from surface. Be sure to allow drying between each coat.	1 coat @ 200 sq. ft. [18.58 square meters] per gallon [3.785 liters] - recommended 2 coats @ 400 sq ft [37.16 square meters] per gallon [3.785 liters] or 3 coats @ 600 [55.74 square meters] sq ft per gallon [3.785 liters] For maximum efficacy Apply three (3) coats at 600 sq. ft. [55.74 sq. metes] per gallon [3.785 liters] with the final coverage rate of 200 sq. ft. [18.58 sq.meters] per gallon [3.785 liters]

EXTERIOR/INTERIOR:

All surfaces to be treated must be clean and dry. Fire Poly FPCC is water based, clear liquid that becomes insoluble when dry. If over-coating is intended, Fire Poly FPCC is an excellent primer for use under latex paints, recommended. DO NOT DILUTE OR MIX FIRE POLY FPCC WITH ANY OTHER PRODUCTS. Avoid wasteful runs and dripping. It should be noted that unlike some products, materials treated with Fire Poly FPCC require no special cutting tools or special fasteners. Contact parts of any equipment should be stainless steel or plastic to prevent chemical reaction and breakdown.

CAUTION:

Product must not freeze. It MUST NOT be thinned or diluted.

OVERSPRAY:

The overspray will not harm plants or animals. Spills can be flushed with water. A rag wetted with bleach and water mix will clean up spotting.

CLEAN UP PROCEDURE:

Airless Equipment:

1. Run clear water through the system until saturant is flushed out. When minor sudsing on surface stops, the system is flushed.
2. Run bleach and water mix (1 part to 4 parts) through the spray system as solvent for cleaning and to remove any residue.
3. Repeat Step 1 if any foaming occurs in Step 2.
4. Lubricate system as specified by equipment manufacturer to combat rusting or corrosion.

If two or more jobs are planned in the same day, the sprayer can be kept clean by running water through the system between jobs.

SAFETY FIRST:

It is a good practice to wear a respirator or mask and protect hands with rubber gloves when spraying any coating or chemical. When engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for solvent vapors. A dusk mask does not provide protection against vapors.

If eye contact occurs, flood with water for fifteen (15) minutes and call a physician. **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

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