

RP INDUSTRIAL SUPPLY

TECHNICAL DATA SHEET

FIRE POLY™ FP50CC · Interior Class A fire-retardant coating

This sheet is compiled by RP Industrial Supply for customer and AHJ submittal. It restates published manufacturer and laboratory content. It is not the original laboratory instrument, not a manufacturer certificate, and not a website printout.

1. Product

Trade name	FIRE POLY™ FP50CC
Description	Aqueous-based resin. Interior fire-retardant coating or spray for artificial plants, foliage, and artificial Christmas trees.
Recommended use	Interior Class A rating (flame spread less than 25)
Substrates named by manufacturer	Artificial plants; artificial Christmas trees; plastic foliage

2. Surface burning characteristics of applied coating

Property	Value
Flame spread	0.0 – 5
Smoke developed	190
Number of preliminary coats	None
Rate per coat	200 ft² / gal
Number of fire-retardant coats	1
Number of overcoats	None
Flash point (closed cup)	No flash

3. Product analysis

Total solids	42 – 46
Weight per gallon	10.5 – 10.8 lb
Specific gravity	1.3
pH	2.6 – 3.2
Flash point	Non-flammable
Color	Water-clear at 78°F. Slight haze at 50°F or lower.
Volatility	Non-volatile
Solvents	Water (contains no petroleum or derivatives of petroleum)
Anti-fungus / bacterial	Good resistance / Good resistance
Linear shrinkage	None
Moisture absorption	None
Corrosive	Mildly

Toxic	None (when dry)
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4. Environmental

The manufacturer states the product complies with U.S. Federal regulations concerning the use of lead in paint and hydrocarbon emissions. Low VOC. See the VOC laboratory report in this packet.

5. Quick reference for applying FP50CC

Material	Interior artificial plants and artificial Christmas trees
When	Treat before, during, or after construction / installation
Surface	Clean and dry
Method	80 psi or greater sprayer, 8 to 12 inches from the surface; or brush or dipping
Coverage	One coat at 200 sq. ft. per gallon. Product-page maximum envelope: 150 to 200 sq. ft. per gallon.
Moisture hold-off	Do not expose treated area to moisture for 24 hours
Dilution	Do not dilute or mix with any other product
Equipment	Stainless steel or plastic contact parts. Store in polyethylene containers. Must not freeze.

6. Permanence

INTERIOR: FIRE POLY FP50CC is permanent on interior surfaces unless removed by extraordinary means.
Manufacturer rule of thumb: one quart treats one typical five-foot tree. Comes with documentation for the fire marshal.

PACKET CROSS-REFERENCE

Rated build and identity: FP50CC Product Specification.

Hazards and first aid: FP50CC Safety Data Sheet.

Foliage flame-propagation evidence: FP50CC NFPA 701 Foliage Test.

Coated-plastic surface-burning evidence: FP50CC ASTM E84 Panel Test.