

RP INDUSTRIAL SUPPLY

SPRAY FREQUENCY AND FIELD MAINTENANCE

FIRE POLY™ FP50CC · Indoor inspection · Arid maintenance · KSA outdoor field plan

Issued 3 September 2026. This sheet states the manufacturer indoor permanence position for FIRE POLY FP50CC and the **RPIS field plan** for inspection, arid-climate maintenance, and outdoor Kingdom of Saudi Arabia service. It does not change the finished-film specification of 150–200 ft² per U.S. gallon (3.68–4.91 m² per litre).

1. What “spray frequency” and field maintenance mean

Spray frequency is the interval between treatments over the life of the plant. It is not the number of spray passes on the first day. Field maintenance covers visual inspection and any RPIS-suggested light maintenance mist — distinct from the rated first-treatment finished film.

First treatment (every job)	1, 2, or optional 3 light spray passes totaling the same finished film of 150–200 ft² per U.S. gallon (3.68–4.91 m ² per litre). See RPIS FIRE POLY FP50CC Specification and Application.
Later full re-sprays	The same finished film, 1, 2, or optional 3 light spray passes totaling the same film, 24-hour dry after the last pass. Do not dilute. Do not use a thinner finished rate (including 350 ft ² /gal).
Light maintenance mist (RPIS arid plan only)	Not a finished-film re-treatment. Uses approximately 50% of the product volume of one full coat as a maintenance mist. Does not equal or replace the rated 150–200 ft ² /gal first treatment.
Product class	Interior water-based intumescent coating. Permanent on interior surfaces unless removed by extraordinary means. Not an exterior-rated system.

2. Manufacturer position vs RPIS field plan

Manufacturer / supplier position (keep as stated): For indoor permanent film, the supplier effectively states that **no additional spray is required** after a proper first treatment. On a dry interior surface the film is treated as permanent unless removed by extraordinary means. There is no Flame Safe calendar that says “re-spray every X years” for ordinary indoor use.

RPIS FIELD ADDITIONS — NOT MANUFACTURER-VALIDATED

The manufacturer “no additional spray” statement was **never validated by the supplier** across humid ↔ dry climates or sea level ↔ approximately 5,000 ft elevation. Therefore **RP Industrial Supply adds the field recommendations below** (inspection every 4–6 months; arid light maintenance mist; KSA outdoor 24–36 month plan). These are **RPIS field recommendations**, not manufacturer-approved lab protocols, not a factory warranty, and not an AHJ rating.

3. Controlling table — RPIS field plan

Service	Required first treatment	Re-spray / maintenance	Inspection (RPIS)
Indoor — dry, enclosed, air-conditioned (homes, offices, malls, hotels, airports)	Once, to 150–200 ft ² /gal (3.68–4.91 m ² /L)	Manufacturer: none on a calendar. Re-spray only if film worn, washed, or stripped. RPIS arid: optional light mist at ~6 months (see §4.3).	Visual every 4–6 months
Indoor — wet, steamy, or heavily handled (kitchens, wash-down, high-touch décor)	Once, same film	Re-spray worn areas when film is gone. Optional owner rule: full re-treat at 24 months for public décor programs.	Visual every 4–6 months
Indoor — arid / high-elevation climates (RPIS field plan)	Once, same full finished film	RPIS only: light maintenance mist at ~6 months using ~50% of one full coat's product volume. Not a rated finished film.	Visual every 4–6 months
Outdoor — sun, heat, sand, thermal cycling (KSA exterior)	Once, same film, only if owner directed outdoor placement in writing	Not manufacturer-required. RPIS field plan: full re-spray every 24–36 months, sooner if film fails.	Visual every 4–6 months ; also after sandstorm / pressure-wash

4. Indoor service

4.1 Manufacturer rule (permanent indoor film)

FP50CC is specified as an interior product. On a dry interior surface the film is treated as permanent. The manufacturer position remains: **no additional spray required** for ordinary indoor permanent-film service after a proper first treatment. Re-spray a piece only when the clear film is no longer there: abrasion, wet wiping, steam, or mechanical damage. Dust is not a reason to re-spray — dust the plant; do not add another coat on a fixed manufacturer calendar.

4.2 RPIS inspection (all services)

Because the manufacturer permanence statement was not validated across humid ↔ dry or sea-level ↔ ~5,000 ft conditions, **RPIS recommends a visual inspection every 4–6 months** for all FP50CC-treated items (indoor and outdoor). Look for chalking, haze, peel, bare or glossy plastic showing through, or film that powders when rubbed. Inspection alone does not require a re-spray; re-spray when the film is gone or the applicable field plan below applies.

4.3 RPIS arid-environment light maintenance mist

ARID MAINTENANCE MIST — RPIS FIELD RECOMMENDATION ONLY

In **arid indoor environments** (very low humidity; also consider high-elevation sites near ~5,000 ft where the supplier did not validate permanence), RPIS suggests a **6-month light maintenance mist** using approximately **50% of the product volume of one full finished-film coat** — that is, a light mist / half the product of a full coat (about twice the coverage area of a full coat *for that mist only*).

First treatment is unchanged: still a full finished film of 150–200 ft²/gal (3.68–4.91 m²/L) per the Specification and Application sheet.

This light spray **does not equal, replace, or satisfy** the rated finished film for first treatment. Do not invent or write a thinner “finished-film” rate (e.g. 350–400 ft²/gal) as if it were the rated first-treatment specification. Label work tickets “RPIS arid maintenance mist — ~50% of one full coat,” not “finished film.”

A project owner may still adopt a 24-month public-décor full re-treat as their own fire program. Write that as the owner's rule, not as a manufacturer indoor interval.

5. Outdoor — Kingdom of Saudi Arabia (RPIS field plan)

OUTDOOR IS NOT A RATED FP50CC SERVICE

Flame Safe does not publish an outdoor spray frequency for FP50CC. The product is **interior-rated** and **not exterior-rated**.

The 24–36 month figure below is an **RPIS field plan** for KSA sun, heat, and sand. It is not a factory test, not a warranty, and not an AHJ rating.

Certificate of Conformity and Application, Certificate II, remains an interior certification unless the owner directed outdoor placement in writing.

5.1 Why outdoor film does not last like indoor film

- UV on south- and west-facing plants.
- Surface temperatures on dark foliage commonly above 50°C in summer.
- Night-to-day expansion and contraction of thin plastic leaves.
- Wind-blown sand abrading the clear film.
- Repeated dusting and washing.

5.2 RPIS field plan if the owner still places treated plants outdoors

First treatment	Same finished film as indoor (150–200 ft ² /gal). 1, 2, or optional 3 light spray passes totaling the same film. 24-hour dry before any dew, irrigation overspray, or night condensation.
Inspection (RPIS)	Every 4–6 months , and after any sandstorm or pressure-wash.
Re-spray trigger (any one)	Chalking or white haze; peel or flaking; bare or glossy plastic showing through; film that powders when rubbed.
Full re-spray if no early failure	24–36 months from the last treatment. Use 24 months for full sun and sand. Use 36 months only for shaded, sheltered exterior (arcade, covered terrace).
Each full re-spray	Same 150–200 ft ² /gal (3.68–4.91 m ² /L) finished film. Do not “touch up thin.” If you re-spray, apply the specified film.
Better alternative	Inherently fire-retardant, UV-stabilized plants where the owner needs years outdoors without recoating.

6. Language to put on a submittal

Indoor job

“FIRE POLY FP50CC applied once to a finished coverage of 150–200 ft² per U.S. gallon (3.68–4.91 m² per litre). Indoor service. Manufacturer: permanent indoor film; no scheduled manufacturer re-spray. RPIS field plan: visual inspection every 4–6 months; in arid climates, optional light maintenance mist at ~6 months using approximately 50% of the product volume of one full coat (maintenance mist only — not a rated finished film). Full re-treatment only if the film is removed or worn through.”

Outdoor job (owner-directed, e.g. KSA)

“FIRE POLY FP50CC applied to a finished coverage of 150–200 ft² per U.S. gallon (3.68–4.91 m² per litre). Outdoor placement was directed by the owner. FP50CC is **not an exterior-rated system**. RPIS field plan: inspect every 4–6 months; full re-spray at 24–36 months or sooner on film failure. This interval is not a manufacturer outdoor rating.”

7. What this sheet does not do

- It does **not** make FP50CC an exterior product.
- It does **not** change the finished-film specification (150–200 ft²/gal).
- It does **not** claim the manufacturer approved the 4–6 month inspection or the arid 50% light-mist plan.
- It is **not** a Saudi Civil Defense or SASO certificate.
- It is **not** a warranty of years of outdoor life or of film permanence across all climates/elevations.
- It does **not** move product quality off the Supplier or application workmanship off EPS / the applicator.

Companion documents: RPIS FIRE POLY FP50CC Specification and Application; Certificate of Product Conformity and Application.