

BR Fluoropoly

Fluorinated Aliphatic Urethane 2K

TECHNICAL DATA SHEET



Zero VOC Water-Based Fluorinated Aliphatic Urethane Coating.

Product Codes

Product Name	Part A Item Code	Part B Item Code
BR Fluoropoly Part A (1 Gal Kit)	BRPPC-FPA	BRPPC-FPB
BR Fluoropoly Part A Metallic (1 Gal Kit)	BRPPC-FPAM	BRPPC-FPB

- Schools
- High Visibility Areas
- Logos

Features & Benefits

- Scratch Resistant
- High QUV Resistance*
- Non-Yellowing & UV Resistant Topcoat
- Chemical & Acid Resistant

* QUV test data was based on factory tinting using automotive-grade pigment systems.

Color & Finish

Color	Finish
White Max Tint: 4 Oz / Gallon	Satin
	Semi-Gloss
	Gloss
Deep Base Max Tint: 8 Oz / Gallon	Satin
	Semi-Gloss
	Gloss
Accent Base Max Tint: 11 Oz / Gallon	Satin
	Semi-Gloss
	Gloss
Custom Metallic Base	Satin
	Semi-Gloss
	Gloss
Custom Color Base	Satin
	Semi-Gloss
	Gloss

Coverage Rate by Substrate (Theoretical)

The coverage depends on the surface. Test the product on a small area of the substrate to estimate coverage.

Mix Ratio	3:1
Number Of Coats	2
Recommended Dry Film	1.65-2.2 mils per coat
Theoretical Coverage	401-534 sq ft per gallon

Test Panel

Always apply BR Fluoropoly onto a mock wall or test panel. Test the wall or an actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

Description

The Pittsburgh Paints Company BR Fluoropoly is a premium, ultra-durable ambient cured high solids fluoropolymer urethane finish. It provides excellent color and gloss performance.

Recommended Uses

- Warehouses
- Storage tank Exteriors
- Bridges
- Marine
- Municipal Buildings
- Fascias
- Iconic Structures
- Stadiums
- Sports Complexes
- Museums

Application Equipment

Solid colors may be applied by spray, roller and brush application including airless. Metallic colors should be applied by spray applications only. Metallics can be applied with HVLP gravity or siphons or pressure pots. Airless applications are not ideal as they can “burry” the flake and it may affect the final color and finish.

Surface Preparation

Prior to application, all surfaces shall be clean and dry with no oils, dirt, debris, or minerals such as efflorescence, lime and calcium. These stains, along with others, will prevent proper penetration of BR Fluoropoly to sufficiently seal for the warranty period.

Mixing Instructions

1. Stir Part A for 1 minutes with jiffy blade at slow speed (500 RPM) to fully disperse the product.
2. To catalyze the product, pour all of Part B into Part A and mix for 3 minutes. (continued)
3. Allow the product to stand for 2-3 minutes before applying. Loosely cover the mixed product. Do not re-seal mixed product.
4. While mixing do not create a vortex which can introduce air bubbles.

IMPORTANT: Mark time to establish pot life. Pot life is 0.75-1 hour at 75°F. Product should not be mixed with other products or other containers of The Pittsburgh Paints Company® BR Fluoropoly.

Thinning is recommended to avoid lap marks and allow for proper self-leveling characteristics. Use clean water only and do not exceed 15% dilution.

Application Instructions

Textured and/or porous substrates may require a backroll to create a pinhole free finish. A third coat may be required for heavily textured substrates

Porous surfaces should have a sealer or filler to adequately eliminate potential pinholes before applying The Pittsburgh Paints Company BR Fluoropoly.

1. Apply one coat of The Pittsburgh Paints Company BR Fluoropoly (4-5 mils wet per coat). Allow 2 hours between coats or when coating is tack free.
2. Any runs should be brushed or rolled out immediately before drying.
3. When dry, thickness should be 2.5-3 mils*

Dry Time: 45 minutes - 1 hour at 75°F

IMPORTANT: Proper methods to protect from over spraying should be implemented. Atomized particles will adhere to most surfaces and are extremely difficult to remove. Temperature and humidity directly affect pot life and dry time. Conditions should be between 40 – 95 °F (5 – 35 °C) and humidity should not exceed 90%.

Re-Application

Apply a second coat within 72-hours for proper adhesion. If the first coat has dried longer than 72-hours, abrade the surface to promote adhesion of the second coat.

Precautions

Use material in a well-ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths. Protect automobiles and all other areas not to be coated from overspray. Remove overspray from any windows, automobiles, metal, etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner.

All surfaces to be coated should be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. All cracks should be pointed or caulked. Surface defects and openings such as conduits, pipes, drains, door frames, vents, air conditioner openings, electrical openings, control joints, or any dissimilar materials should be repaired using approved patching.

Do not apply to surfaces if moisture content is greater than 25% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application. Allow adequate time for surfaces to thaw. Establish that air, surface, and material temperatures are above 40°F (4.4°C) and at least 5°F above the dew point prior to painting.

Do not apply at temperatures below 40°F when temperatures are expected to drop below 40°F within 12 hours of application. Do not apply if rain or snow are expected within 48 hours. Do not apply if relative humidity is greater than 90%.

Safe Handling

Use product only with adequate ventilation and/or an appropriate cartridge type respirator. Avoid contact with skin and wear protective gloves. Read the Safety Data Sheet before using.

SDS, spill, and emergency information are available by calling 1-833-477-1553.

Technical Data

Material Type	Fluorinated Aliphatic Urethane	
Solid by Weight (%)	Clear/Matte 52 (±2%)/58% Pigmented 58 (±2%)/64%	
Solid by Volume (%)	60%	
Dry Time	45 minutes – 1 hour	
Full Cure Time	7 days	
Pounds Per Gallon	Part A	9.2 lbs/gallon
	Part B Clear/Matte	8.7 lbs/gallon
	Part B Pigmented	10.8 lbs/gallon

Test Data

TEST	RESULTS	TEST METHOD
pH	Part A - N/A Part B - 9.2	--
Specific Gravity	1.05	--
Gloss	> 90 @ 16 °C (60°F)	Gloss meter
Gloss Loss	< 10%	ASTM D523
Color Loss	< 1.1%	ASTM D2244
Salt Spray	1500+ hours	ASTM B117
UV Stability	4000 hours	ASTM D2244
Abrasion	< 40mg	ASTM D4060
Hardness	> 2H	ASTM D3363
Adhesion	Pass	ASTM D2197
Flexibility	Pass	ASTM D2794
Chalking	Method B No. 8 (Colors)	ASTM D4214
Chalking	Method B No. 5 (White)	ASTM D4214
Surface Burning	Flame spread 0 Smoke development 0	ASTM E84
Odor	None	--
VOC (g/L, less water)	0 g/L (Packaged)	--
VOC (g/L, less water)	<50 g/L (Mixed)	--
MEK Double Rub @ 50% solids	Passed 2,000 cycles	--

Chemical Resistance

The Pittsburgh Paints Company BR Fluoropoly provides excellent resistance to a wide range of chemicals and acids, including:

Ammonium Hydroxide	Hyjet #3	Toluene & Xylene
Potassium Hydroxide	Skydrol 500 A & B	Jet Fuel - Butyl Cellosolve
Sodium Hydroxide	Hydrochloric Acid 10%	Acetone - Cellosolve Acetate
Sodium Chloride	Phosphoric Acid 35%	Methyl Ethyl Ketone
Trisodium Phosphate	Sulfuric Acid 20%	Beer - Cola - Milk
Ethyl Alcohol	Acetic Acid 24%	Mustard - Bleach
Isopropyl Alcohol	Trichlorethylene	-
Methyl Alcohol	Perchlorethylene	-

Warranties

LIMITED WARRANTY: The Pittsburgh Paints Co. warrants performance of this product to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. THE PITTSBURGH PAINTS CO. MAKES NO OTHER EXPRESS WARRANTIES. IF THE PRODUCT FAILS TO CONFORM TO THIS LIMITED WARRANTY, THE PITTSBURGH PAINTS CO. WILL, AT YOUR OPTION, FURNISH REPLACEMENT PRODUCT OR REFUND THE PURCHASE PRICE. THIS LIMITED WARRANTY EXCLUDES (1) LABOR OR COSTS OF LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT AND (2) ALL OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES. This Limited Warranty gives you specific legal rights; you may have other rights which vary by state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. To make a claim under this Limited Warranty, supply dated proof of purchase to the store of purchase or to The Pittsburgh Paints Co., 400 Bertha Lamme Drive, Cranberry Township, PA 16066.

© 2025 The Pittsburgh Paints Co. All rights reserved.

[[END]]