



FLYING PIG® exterior wall coating for concrete and brick
COATINGS

TECHNICAL DATA SHEET

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DESCRIPTION

Flying Pig Coatings® FPC-1200 is a two-component cement-acrylic hybrid product intended to be used as a decorative and protective exterior wall coating for a variety of concrete and masonry surfaces.

USES

Flying Pig Coatings can be used over concrete, cement plaster, cement fiber-board, tilt-up concrete, block, brick, and other manufacturer approved surfaces. For a complete list please contact technical support at 888-354-1118 or visit flyingpigcoatings.com

FEATURES

- Cement Acrylic Hybrid
- All in One System
- Withstands Wind Driven Rain
- Water Vapor Permeability
- Low Build Smart Technology ®
- Long Term Durability
- Applies to fresh concrete at 7 days
- Alkali Resistant
- Can fill and bridge cracks
- UV Resistance
- Textured Finish
- Extremely Low VOC

BENEFITS

Moisture scavenging, durability, flexibility
Primer, block filler, finish in one
Protects from water penetration
Provides a breathable surface
High performance and durability in single coat
Strength of cement and flexibility of acrylic
Will not compromise surface integrity
Not impacted by Alkali
Up to 1/16" in width
Color Stability
Hides minor imperfections
Exceeds industry standards

SPECIFICATION

Vehicle Type:	Cement-100% Acrylic
Finish:	Flat (gloss 1 to 3 at 60 degrees)
VOC Content:	<20 g/L
Solids by Weight:	72.96%
Solids by Volume:	56.14%
Weight per gallon:	10.93 lb./gal.
Coverage:	150 to 200 ft ² /gal. (2.45 to 3.93 m ² /L) ‡
Wet film coat:	4 mils to 6 mils
Dry film coat:	2 mils to 3 mils
Pot life:	7 hours*
Drying Time:	@ 75°F, 50% RH: Touch: 20-minutes* Recoat: 1 hour*

* Temperature and relative humidity dependent

*Note product limitations include ambient temperature, surface temperature, and use on horizontal surfaces

‡-Theoretical coverage is 320 ft²/gal, this figure does not include loss due to surface irregularities and porosity or material loss due to application method or mixing. The reported coverage range is typical for porous substrates.

This product can be used for 1 coat application. For broad porous areas, a second coat may be required to achieve a uniform appearance and to ensure best performance.



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PERFORMANCE DATA

Wind-Driven Rain TestPasses

ASTM D6904-03 / TT-C-555B

1 ct FPC-1 @ 2.5 – 3.0 mils dft/ct

Water Vapor Permeance ... 76 perms

ASTM D1653

1 ct FPC-1 at 2.8 mils dft/ct

14-day cure @ 77°F & 50% RH

Alkali Resistance Passes

ASTM D1308

MILDEW RESISTANT

This coating contains agents that inhibit the growth of mildew on the surface of this coating

SURFACE PREPARATION

All surfaces must be sound and clean. Entire surface area to be painted should be free from oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, dust, or any other surface contaminants that could affect the performance of product. Remove any loose, peeling, or cracking paint present by scraping, sanding, power washing, wire brush, electric sanders or grinders, or by whatever means deemed as necessary. Repair any severely damaged areas (tuck pointing, caulking, etc.), and caulk all open seams. Sand all glossy, rough, and patched surfaces. Feather back all rough edges to sound surface by sanding. Areas affected by Mildew should be treated with a commercial mildew remover. Clean surfaces per ASTM Standard Practice D4258-83: Standard Practice for Surface Cleaning Concrete for Coating. Allow all new concrete and masonry to cure/dry for at least 7 days before applying product.

Test the wall for coating acceptability prior to application of coating. This can be done by spraying the wall with water. If the water soaks into the wall, the wall is properly prepared and can be coated when dry. If the water beads up and is repelled, the wall requires further cleaning prior to application of the coating.

MIXING

(Needed: FPC-1200 Pail (Part 1), FPC-1200 Bag (Part 2), Empty 5-gallon pail)

Product is a two-part mixture. Powder and Liquid are combined and mixed on site.

Mixer for the product: EIBENSTOCK EZR 22 R R/L SET

Paddles for mixer: EIBENSTOCK "Special"

Pigment Mixer:

Fill a clean and empty 5-gallon pail $\frac{3}{4}$ full of water and place in area of mixing stand.

Remove FPC-1200 Liquid lid and place pail onto mixing stand then place mixer into pail.

Start mixing in the counterclockwise setting (dashed arrow) the liquid on speed A.

Slowly and carefully add powder to liquid (typically 90 seconds).

Slowly increase mixer speed to C.

After 1 minutes turn off mixer, scrape sides of pail, carefully rotate pail a half-turn (180°) then scrape sides

Turn mixer on and gradually return mixer speed to C for 2 more minutes.

After product is uniform return mixer to speed A then stop mixer.

Transfer mixer from product to pail of clean water.

Turn on mixer for 10 – 20 seconds in clean water to remove product from paddles.

Be sure to allow paddles to drip off excess water prior to placing into next FPC-1200 Liquid pail.

APPLICATION

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Read all labels and Safety Data Sheet (SDS) information prior to use.

SDS's are available through our web site: flyingpigcoatings.com/datasheets

Mix thoroughly to a uniform consistency before use. **DO NOT THIN.**
Intermix pails of same product to ensure color uniformity for large jobs.
FPC-1200 may be applied with a brush (nylon), roller, or airless sprayer.

Roller Application: 1/2" Nap or thicker

Recommended Spray Application

Pump: Gas or Electric Airless Sprayer

Pressure: 2200-3300 psi

Tip: 0.021" (421, 521, etc.)

Manifold Filter: 60 Mesh

Gun Filter: 60 Mesh

Hose: 1/4 inch – 3/8 inch

Ensure that all liquid is drained or cleared from equipment prior to running product through the machine as any contamination could cause breakdown of product. Product should be applied so that a wet mil thickness of 5 mils per coat is achieved. This may vary slightly depending on the condition and porosity of the surface being painted. During spray application, it is recommended to back roll surface area in order to obtain a smooth even application, good adhesion, and to effectively work material into porous surfaces. Maintain a wet edge at all times to prevent lap marks. Avoid starting and stopping midway on the wall surface. Apply only when both surface and ambient temperatures are above 50° F (10° C) and surface and ambient temperature is below 100° F (38° C). Do not apply product in direct sunlight. Do not apply product if rain is forecast within the next 12 hours or if there is a strong likelihood of moisture buildup on the surface overnight. To achieve up to 7-hour pot-life cover material in original pail with secured pail lid and hand stir to a smooth and uniform consistency and color before placing onto piston-pump.

CLEANUP

For airless sprayer run minimum 5 gallons (9.5 liters) of cool water through tank, hose, priming hose, and gun if a pause in painting of greater than 1/2 hour is expected (this is reactive coating and hot piston-pumps and hoses can cause early stiffening). Be sure to remove filters from gun and manifold and clean well (not cleaning equipment thoroughly will result in product build up and hardening in the manifold, lines, and gun which will result in future equipment failures). Clean tips using small wire brush and warm water. Wash equipment with soap and water at end of day. Clean up any spills immediately using warm water.



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SAFETY

Consult the Safety Data Sheet (SDS) for each material before beginning any new project. Be certain to have the necessary Personal Protective Equipment (PPE) available before working with any materials.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure other hazardous substances that may be released during surface preparation.

WARNING: AVOID GETTING TOO CLOSE TO MIXING BLADES DURING MIXING.

WARNING: HARMFUL IF INHALED. THIS PRODUCT CONTAINS SILICA (CRYSTALLINE QUARTZ) AND PORTLAND CEMENT. DO NOT BREATHE DUST. PROLONGED EXPOSURE CAN RESULT IN SILICOSIS. USE WITH ADEQUATE VENTILATION. PORTLAND CEMENT IS IRRITATING TO EYES AND SKIN AND MAY CAUSE ALKALI BURNS. ALWAYS USE PROTECTIVE GLASSES, GLOVES AND DUST MASK (NIOSH/MSHA TC 21C APPROVED). IMMEDIATELY AFTER USE WASH ANY AREA OF EXPOSED SKIN. IF CONTACT IS MADE WITH EYES FLUSH THOROUGHLY WITH WATER, DO NOT RUB. IF INHALED, MOVE TO FRESH AIR. IF SYMPTOMS DEVELOP OR PERSIST, OR IF INGESTED, SEEK MEDICAL ATTENTION. DO NOT TAKE INTERNALLY.

Be sure to visit www.flyingpigcoatings.com/datasheets for the most current technical updates.