



PPG Architectural Coatings

GENERAL DESCRIPTION

MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100 is a professional grade, flexible, stretchable, high build, water-borne, acrylic elastomeric coating for waterproofing cracked and leaking exterior stucco, concrete and masonry walls. Repels water (passes TT-C-555-B Section 3.3.3 Test for Wind-Driven Rain), yet allows moisture vapor to pass easily out of the building. It is tintable to a wide range of light and deep base colors, and overcoatable with all Porter acrylic exterior paints for renewing old finishes or providing bright, vibrant accent colors on new finishes. It can also be used for pitched barrel roofs, and for cracked or damaged interior walls and ceilings.

RECOMMENDED USES

- Concrete block (CMU)
- Concrete
- Stucco, synthetic stucco
- Brick, stone
- Plywood, gypsum board
- Interior wall and ceiling repair

FEATURES / BENEFITS

- Elastomeric formulation Flexible, stretchable, breathable
- High build Aids in waterproofing
- Flat finish Improves appearance on large areas
- Bridges cracks Prevents moisture intrusion
- Easy soap & water clean-up No solvent disposal issues
- Mildew resistant*

*This paint contains agents which inhibit the growth of mildew on the surface of this paint.

RECOMMENDED SYSTEMS

MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100 is used to repair and waterproof a wide variety of properly prepared and primed masonry and concrete surfaces. Finish the following primed surfaces with two or three coats of MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100:

SUBSTRATE	TYPICAL PRIMERS*
Aluminum, Bare:	PP276, PP286, PP296
Copper:	PP276, PP286, PP296
Exterior Sheathing (Overheads):	PP335, PP515, PP565, PP74130
Masonry	
Brick:	PP335, PP898, PP6010, PP6015
Concrete:	PP335, PP898, PP6010, PP6015
Concrete Block (CMU):	PP222, PP896
Repaint:	PP335, PP515, PP898, PP565, PP74130, self-prime
Steel, iron:	PP286, PP290, PP296, PP299
Steel, Galvanized:	PP215, PP290, PP335
Stucco, Cement Plaster:	PP335, PP898, PP6010, PP6015
Wood:	PP335, PP515, PP565, PP74130

*First coat on porous substrates is always thinned 10-20% to aid penetration.

MATTE-FLEX™ Elastomeric Coating - Smooth Texture

TINTING AND BASE INFORMATION

Tint with Porter DESIGN SPECTRUM® Colorants up to 8 ounces per gallon. Tint ½ strength to approximate light base formulas, and full strength for deep base color formulas. **NOTE: Earth pigment colorants such as EE, JJ, KK, MM and TT are best for fade resistance. Best results for dark colors and bright, organic colors are achieved by overcoating with the Porter Paints ACRI-SHIELD® or ACRI-PRO™ 100 lines of acrylic paints.**

PP6100 White tint base

PRODUCT DATA

Product Type:	Acrylic
Sheen:	Flat (Typical range: 1 - 4)
Reflectance:	96 ± 1%
Percent Solids:	
Weight:	50 ± 2%
Volume:	36 ± 2%
VOC (theoretical):	
As supplied (untinted):	0.84 lb/gal (100 g/l)
Weight/Gallon:	10.7 lb
Viscosity (Initial):	120 - 127 Krebs Units
Thinner:	

Roller/Spray: Thinning is not recommended. If absolutely necessary, thin sparingly with clean water.

Clean-up: Use warm, soapy water.

Recommended Total Film Thickness: 15 - 20 total dry mils applied in two or three coats for best waterproofing performance:

Application Rate Guide*

Spread Rate Sq. Ft./Gal.	Wet Film Thickness	Dry Film Thickness
40	40 mils	14 mils
55	30	10.5
80	20	7
110	15	5.25
145	11	4

*NOTE: For complete application directions, see Porter Paints "APPLICATOR INSTRUCTIONS FOR ELASTOMERIC COATING SYSTEMS" guide, No. 6010A/E.

Dry time (70°F @ 50% R.H.):

To Touch:	3-4 hours
To Recoat:	24 hours
Full Service:	15-30 days

(Drying times listed may vary depending on temperature, humidity, color, and air movement.)

Flash Point: >200°F (>93°C)

Flame Spread Rating: Class A (0-25)

(See Porter Technical Bulletin No. 9: Flame Spread Rating.)

Federal Specification Crossover: None

(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)

LIMITATIONS OF USE

Do not apply in direct sunlight or when air or surface temperature is below 50°F or above 110°F. Do not apply in late afternoon if condensation or fog is likely to occur, nor when rain is expected within 12 hours. Surface temperature must be at least 5°F above dew point. Dampen porous surfaces if applying in direct sunlight or in extremely warm conditions. Do not use on flat roofs or floors. Very high humidity will extend dry and cure time.

Protect from freezing.

GENERAL SURFACE PREPARATION

UNPAINTED MASONRY: (For optimum performance, all masonry, concrete and stucco construction must age at least 28 days prior to coating.) Paint only clean, dry, sound surfaces. Remove deep chalk, dirt, oils, grease, wax, release agents, grinding dust, paint remover, etc. with PORTERPREP™ Heavy Duty Cleaner No. PP571, Dirtex and water or other appropriate cleaners and methods per ASTM Standard Practice D4258-83: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, powerwash cleaning, steam cleaning, hand tool, and mechanical cleaning are acceptable cleaning methods. **Remove efflorescence** by pressure-washing or cleaning with dilute muriatic acid (following manufacturer's instructions). **Remove mildew** by washing with a commercial mildew cleaner or with a mixture of 1 part chlorine bleach to 3 parts water. Dry substrate thoroughly to a moisture content under 12% before coating (check with a moisture meter or follow ASTM Test Method D 4263: Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method).

Sweep blast, acid etch or scarify nonporous concrete surfaces to increase porosity. Concrete surfaces sealed with curing compounds or sealers usually must be sweep blasted to remove the contaminated layer. (Test for absorption of water or solvent to give an indication of porosity.) Fill voids or spawled areas with Bondex Concrete Patch. **Saw out masonry cracks** larger than 1/16" with a carborundum saw blade, fill the cleaned cracks with Sikaflex-1a Polyurethane Sealant, to within 1/8" of the surface. Complete patch with the selected PORTER-FLEX Elastomeric Patching Compound (No's. PP6004, PP6005, PP6007, PP6008) applied per label or data sheet directions, feathering the edges. Patch hairline cracks (under 1/16" wide) with only the PORTER-FLEX Elastomeric Patching Compound. NOTE: Pressure leaks in basements and retaining walls should be patched with an appropriate patching product after preparation per the manufacturer's directions. After cleaning, **powdery or chalky unpainted concrete masonry unit (CMU)** walls may be conditioned with a coat of PORTERLOCK™ Pigmented Bonding Coat No. PP898, PORTERLOCK WB Acrylic Pigmented Sealer No. PP6010 or PORTERLOCK Acrylic Clear Sealer No. PP6015, and then filled with an appropriate block filler before application of the finish coating.

PAINTED SURFACES: Failed, previously painted surfaces may require Sweep Blast Cleaning for removal of unsound paint and laitance (a surface layer of weak or unreacted cement). **Chalky paint in good condition** should be cleaned by sweepblasting, powerwashing, wire brushing, etc. as outlined above to remove chalk, loose paint and contamination. Prime exposed bare incidental surfaces such as steel, aluminum or wood with an appropriate primer (see RECOMMENDED SYSTEMS section or a PORTER SYSTEMS GUIDE). Seal prepared surfaces with an appropriate primer/sealer (such as PORTERLOCK No. PP898, PORTERLOCK No. PP6010, or PORTERLOCK No. PP6015) before application of MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100.

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. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

DIRECTIONS FOR USE

Stir thoroughly before using and occasionally during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

Permissible temperatures during application:

Temperature Range: 50°F to 110°F (air, surface, paint)
(Optimum paint temperature 60-80°F)

Dew Point: Surface temperature must be at least 5°F above the dew point.

Relative Humidity: Maximum 85% (NOTE: High humidity + thick films = very slow drying-->watch weather.)

New Work: (For complete instructions, please see Porter Paints "Applicator Instructions For Elastomeric Coating Systems," #6010A/E.) Apply a uniform coat of appropriate sealer, primer or block filler per product data sheet instructions (SEE RECOMMENDED SYSTEMS) at the millage or spread rate specified for the application. Finish with one or (for waterproofing) two or more uniform coats of MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100. For best performance, apply two or three roller coats, or one or two coats sprayed and backrolled. Keep a wet edge going across the entire wall or panel. Avoid pinholes or voids. Dress off the coating in a uniform manner.

Repaint: Spot prime and recoat bare areas as required to match existing coatings with a system appropriate for the substrate (see RECOMMENDED SYSTEMS or a Porter Paints Systems Guide), then apply one two coats of MATTE-FLEX Elastomeric Coating-Smooth Texture No. PP6100 as outlined above.

APPLICATION INFORMATION

Application Equipment: Apply with a high quality brush, roller, or by spray equipment.

Airless Spray: Minimum 2 gallon per minute pump; .019"-.027" tip; 1800-2400 psi; ¼" to ½" high pressure material hose.

Conventional Spray: DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator; 20 psi fluid pressure; 40-60 psi air pressure.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brushes: Use nylon or polyester brushes for cut-ins or working product into aesthetic details.

Rollers: Use ¾" to 1" synthetic roller covers.

Thinning: Thinning is not recommended. If absolutely necessary, thin sparingly with clean water.

Clean-up: Clean tools and spray equipment with warm, soapy water immediately after use.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 Gallons per carton; 5-Gallon Pail

Shipping Weights: 10.7 lb/gal (43.8 lb/carton); 52.3 lb/5-gal

PPGAF believes the technical data presented is currently accurate: however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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