



**PITTSBURGH PAINTS**

A new generation of paint company  
for a new generation.

## BRILLIANT REFLECTIONS®

## 51-45 Series

### Architectural Coatings

### BRILLIANT REFLECTIONS® Int/Ext. Gloss Latex

#### Generic Type

100% Acrylic Latex

#### Tinting and Base Information

Use PITTSBURGH® Paints Custom Colorants to achieve hundreds of colors. Refer to THE VOICE OF COLOR® electronic CD or formula book for tinting instructions.

51-110	Pastel Mixing Base
51-150	Midtone Mixing Base
51-200	Deeptone Mixing Base
51-300	Neutral Mixing Base
51-45	Super White

#### General Description

Our premium gloss acrylic formulated to meet the performance requirements of the residential and commercial markets. Its' 100% acrylic technology provides excellent durability, adhesion and color retention on hard-use surfaces that require gloss finishes, like lawn and porch furniture, machinery and garden equipment. Ideal for areas like kitchen and bathroom walls and trim that require frequent stain removal, as well as lawn and porch furniture, and general household use. Recommended for use on properly prepared and primed or previously painted interior and exterior surfaces of wood, metal, brick, cement block, wallboard, cured concrete, plaster, stucco and masonry surfaces.

#### Recommended Uses

- Exterior Trim
- Lawn & Porch Furniture
- Wood
- Garden Equipment
- General Household Use
- Kitchen Walls

#### Product Data

<b>Gloss:</b>	Gloss: 70 to 100 (60° Gloss Meter)
<b>VOC*:</b>	1.00 lbs/gal (120.00 g/L)
<b>DFT:</b>	1.20 minimum to 1.50 maximum mils
<b>Coverage:</b>	400 to 500 sq. ft./gal. (37 to 46 sq. m/3.78L)

Note: Does not include loss due to varying application method, surface porosity, or mixing.

<b>Volume Solids*</b>	37.7% +/- 2.0%
<b>Weight Solids*:</b>	49.4% +/- 2.0%

<b>Viscosity:</b>	75 to 85 KU
<b>Weight/Gallon:</b>	10.3 lbs. (4.7 kg) +/- 0.2 lbs. (91 g)

**Cleanup\*:** Soap and Water

\*Product data calculated on product 51-45.

#### Features / Benefits

- Excellent Adhesion
- Flexible, High Gloss Finish
- Fade and Chalk Resistant
- Excellent Scrubbability
- Soap & Water Clean-Up
- Available in More Than 1,800 Colors from THE VOICE OF COLOR® Design Collection

#### Drying Time:

To Touch:	2 hours
To Handle:	4 hours
To Recoat:	4 hours
To Full Cure:	30 days

Dry Time @77°F (25°C); 50% relative humidity

**Flash Point:** Over 200°F, (95°C)

#### Limitations of Use

Apply when air, surface and product temperatures are above 50°F (10°C), and surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior painting late in the day when dew and condensation are likely to form or if rain is threatening. Protect from freezing. Not recommended for floors or for use on bodies of homes.

## Architectural Coatings

## BRILLIANT REFLECTIONS® Int/Ext. Gloss Latex

## General Surface Preparation

Surface to be painted must be clean, dry, and free of dirt, loose and peeling paint, mildew, chalk, grease, rust, and other surface contaminants. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Prime all bare wood, metal, and porous surfaces with the appropriate primer. On exterior surfaces, remove and inhibit regrowth of mildew by using MILDEW CHECK® Multi-Purpose Wash, 18-1, by PITTSBURGH® Paints. Before use, be sure to read and follow the instructions and warnings on the label.

**NEW WOOD:** New wood should be sanded smooth and wiped clean. Any knots or resinous areas should be sealed before painting. Countersink all nails. Putty flush with surface, then prime.

**PREVIOUSLY PAINTED WOOD:** All excessive chalking must be removed and the surface rinsed thoroughly. Remove all loose, peeling, or flaking paint by scraping or sanding. Feather back all rough edges to sound surface by sanding. Prime all bare wood areas.

**CONCRETE BLOCK, CINDER BLOCK, VERTICAL MASONRY:** New concrete should cure for at least 30 days and preferably 90 days prior to priming. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-base paint must be prepared with extra care. Such coatings must be completely removed for best results. If the coatings appear to be adhering tightly, a masonry sealer may be applied to seal the surface prior to topcoating. One way to check adhesion is by applying a piece of masking tape. If it peels off easily and has loose particles adhering to it, remove all chalking or crumbling material before repainting.

**METAL:** Rust and other surface contaminants must be removed from ferrous metals, aluminum, copper, brass, and galvanized steel. Then the surface must be cleaned thoroughly to remove any dust.

**GALVANIZED STEEL:** Caution must be used when selecting coatings for use on all galvanized metal surfaces. These substrates may have a factory-applied stabilizer, which is used to prevent white rusting during storage and shipping. Such stabilizers must be removed by either brush blasting, sanding or chemical treatment.

**WATER-SOLUBLE STAINS:** Apply SEAL-GRIP® Primer 17-21 or 17-31, over stained area prior to coating, to avoid bleeding of the stain into the topcoat.

## Recommended Primers

Exterior Wood	1-70, 77-109, 72-1, 17-21
Galvanized Steel	6-209, 90-712
Concrete Masonry Units, Masonry (Block Fillers)	6-7, 6-12
Interior Wood	6-855, 6-6, 17-21
Ferrous Metal	6-208, 6-212, 90-712
Aluminum	6-204, 90-712
Gypsum Wallboard-Drywall	6-2, 17-21
Plaster	6-603
Hardboard	17-21
Concrete, Masonry (Primers, Sealers)	6-603, 6-808

## Directions for Use

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, mix together (box) before applying. 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.

## Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

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.

## Application Information

## Recommended Spread Rates:

Wet Mils :	3.2 minimum to	4.0 maximum
Wet Microns:	81.3 minimum to	101.6 maximum
Dry Mils :	1.2 minimum to	1.5 maximum
Dry Microns:	30.5 minimum to	38.1 maximum

**Application Equipment:** Apply with a high quality brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat.

**Airless Spray:** Pressure 2000 psi, tip 0.015" - 0.021"

**Brush:** Polyester/Nylon Brush

**Roller:** 3/16" - 3/8" nap roller cover

## Thinning:

No thinning is usually required. If necessary add up to 1/4 pint (118 mL) of water per gallon (3.78 L) of paint.

**Packaging:** 1-Gallon (3.78L)  
5-Gallon (18.9L)  
Quart (946 mL)

Not all products are available in all sizes.



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Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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