Product Data Sheet

PPG Building Renewal™

Glass, Coatings, and Paint for Restoration & Renovation.

PPG Industries, INC.
One PPG Place
Pittsburgh, PA
1-800-441-9695

BRP High Build Urethane Semi-Gloss Acrylic BRP1088/BRP1089

Product Information

Product Code: BRP1088 Neutral Base Part A
BRP1089 Curing Agent Part B

Product: High Build Acrylic Urethane

Suggested Use: BRP High Build Semi-Gloss Acrylic Urethane is recommended for use where a semi-gloss appearance and delayed onset of chalking are desired. Product is formulated to be compliant at 2.8 lbs./gal. VOC and can be applied using spray, brush or roller application.

Not Recommended: Dimensionally unstable substrates such as large expanses of wood; immersion service, concrete surfaces below grade or where hydrostatic pressure is present.

Product Description

Color: A full range of colors is available.

Gloss 60°: 40-60

VOC: 2.28 lbs./gal. (273 g/L) *

Method: Calculated (mixed)

Weight/Gallon: 12.0 ± 0.5 lbs./gal. (mixed) *

Flash Point: Part A 84° F (29°C)
Part B 331° F (166°C)

Package: Part A is available in short filled one and five gallon containers.

Part B is available in full filled pints and short filled gallon containers.

Percent Solids by Volume: 66.7 ± 3.0% (mixed) *

Percent Solids by Weight: 81.0 ± 3.0% (mixed) *

Drying Schedule

*Air Dry @ 77ºF (25ºC) ASTM D5895 **, 50% RH*

Dry to Handle	Without Accelerator		Accelerated with 6 fl. oz. 97-722 per gallon	
	3 mil	6 mil	3 mil	6 mil
40°F (4.4°C)	Not recommended		3.5 hrs	4 hrs
50°F (10°C)	23 hrs	31 hrs	2 hrs	2.75 hrs
60°F (15.5°C)	5 hrs	8 hrs	1.25 hrs	2.75 hrs
77°F (25°C)	3.5 hrs	4 hrs	0.5 hrs	0.5 hrs
90°F (32°C)	3.5 hrs	3.75 hrs	Not recommended	

Application Data

Substrate: Metal or masonry

Substrate Preparation: The service life of the coating is directly related to the surface preparation. The surface to be coated must be dimensionally stable, properly prepared and primed, dry, clean and free of contamination.

See WARNING in Additional Information section on page 2.

Application Method: Apply by spray, brush or roller application.

Air Spray: DeVilbiss MBC gun, 704 or 777 air cap with “E” or "F" tip and needle or equivalent equipment. Atomizing pressure 55-70 psi.

Airless Spray: Equipment capable of maintaining a minimum of 1800 psi at the tip without surge. 0.013” (0.330 mm) to 0.015" (0.381 mm) orifice.

Brush: High quality natural bristle brush.

Roller: 3/8"nap roller cover with solvent resistant core.

See ** comments on page 2.

Parts Base by Volume: 7 parts Part A

Parts Catalyst by Volume: 1 part BRP1089 Part B

Thinner Code & Percent: If thinning is necessary, up to 7% with KL700 (spray) or KLC1275 (brush or roller) may be used. Acetone may be used for spray application.

Digestion: None required.

Pot Life: 2.5 hours at 77° F (25° C).

The addition of 6 fluid ounces of 97-722 Urethane Accelerator will result in a mixed potlife of 1 hour at 40° F (4.4° C).

Coverage Sq. Ft./Gal. @ 1 mil: 1031 sq. ft./gal.*

Mixing Instructions: Agitate Part A thoroughly prior to blending. Add BRP1089 Part B to Part A and mix well. No digestion time is required. Up to 6 fluid ounces of 97-722 Urethane Accelerator can be added per mixed gallon. When using 97-722, add Accelerator to Part A, mix well then add Part B and thin prior to application.

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Application Data (continued)

Wet Film Per Coat: 3.1 to 7.8 mils*

Dry Film Per Coat: 2.0 to 5.0 mils

Clean Up Solvent: KL700, KL1200 or KL3700 Thinners.

Additional Information

Apply only when air, product and surface temperatures are above 40° F (4.4° C) and surface temperature is at least 5° F (3° C) above the dew point.

Store materials at temperatures between 60ºF (16ºC) and 90ºF (32ºC).

Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available by calling 1-800-238-8596.

*Values are calculated for BRP1088 mixed with BRP1089. Values may vary with color.

Not intended for residential use.

The solvents contained in these products can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended before application to a significant area of unknown base coat or primer.

These coatings should not be applied to dimensionally unstable substrates such as large expanses of wood.

These coatings are not recommended for immersion service.

Do not apply to concrete surfaces below grade or in other applications where hydrostatic pressure is present.

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

**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, requiring immediate medical attention at a hospital.

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 to other hazardous substances that may be released during surface preparation.