

**PITTSBURGH® PAINTS**A new generation of paint company
for a new generation.**PITTSBURGH® Paints****7-844 Series****Architectural Coatings****PITTSBURGH® Paints Int. Industrial Semi-Gloss Oil****Generic Type**

Alkyd/Oil Resin

General Description

Industrial Enamels are for industrial use and may be used on properly prepared and properly primed interior or exterior surfaces of wood, metal, masonry, plaster, and composition board.

Tinting and Base Information

Use PITTSBURGH® Paints Custom Colorants and refer to THE VOICE OF COLOR electronic CD or formula book for tinting instructions.

7-844	White and Pastel Mixing Base
7-845	Midtone Mixing Base
7-846	Deeptone Mixing Base

Recommended Uses

Machinery
Masonry
Metal
Plaster
Wood

Features / Benefits

Full color tinting capability.
Durable interior/exterior semi-gloss finish
3.5 VOC compliant

Product Data

Gloss:	Semi-Gloss: 50 to 70 (60°Gloss Meter)
VOC*:	2.90 lbs/gal (348.00 g/L)
DFT:	1.70 minimum to 2.00 maximum mils
Coverage:	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.

Volume Solids*	54.8% +/- 2.0%
Weight Solids*:	75% +/- 2.0%
Viscosity:	80 to 90 ku
Weight/Gallon:	
Cleanup*:	Leptyne Paint Thinner 21-263

*Product data calculated on product 7-844.

Drying Time:

To Touch:	4 hours
To Handle:	7 hours
To Recoat:	24 hours

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

Flash Point: 107°F, (42°C)

Limitations of Use

Apply when air, product, and surface temperatures are above 50°F (10°C). Not recommended for use on floors. **IMPORTANT:** All oil based alkyd products change color with age. The yellow discoloration is most visible in whites and light colors. PITTSBURGH® Paints latex products are recommended when yellowing is a concern.

Architectural Coatings

PITTSBURGH® Paints Int. Industrial Semi-Gloss Oil

General Surface Preparation

Surface to be painted must be clean, dry, smooth, and free from dirt, grease, powdery or peeling paint, and other surface contaminants. All cracks and other surface imperfections must be repaired using high quality patching compounds, then allowed to dry thoroughly. Repaired areas should be sanded smooth and then spot-primed. Slick or glossy surfaces of previously applied paint, in sound condition, must be dulled by sanding.

Prime all bare wood, plaster, masonry, metal, patched and porous surfaces with the appropriate primer.

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.

New Plaster: Fresh plaster, hardcoat, skim coat, or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer.

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 the 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

Aluminum	6-204, 90-712
Plaster	6-603
Ferrous Metal	6-208, 6-212, 90-712
Galvanized Steel	6-209, 90-712
Gypsum Wallboard-Drywall	17-21, 6-2
Brass	6-204, 90-712
Copper	6-204, 90-712
Concrete Masonry Units, Masonry (Block Fillers)	6-12, 6-7
Concrete, Masonry (Primers, Sealers)	6-603, 6-808
Wood	17-21, 6-6, 6-855

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 Mills :	3.2 minimum to	3.7 maximum
Wet Microns:	81.3 minimum to	94.0 maximum
Dry Mills :	1.7 minimum to	2.0 maximum
Dry Microns:	43.2 minimum to	50.8 maximum

Application Equipment: Changes in application equipment, pressures and/or tip sizes may be required depending on ambient temperatures and application conditions.

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

Brush: High Quality Polyester/Nylon Brush

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

Thinning:

DO NOT THIN.

Packaging: 1-Gallon (3.78L)

5-Gallon (18.9L)

Not all products are available in all sizes.



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Bulletin: 7-844

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

Rev. 3/2000