

7-LINE® | 7-824 SERIES

DESCRIPTION

One-component, alkyd / oil resin

PRINCIPAL CHARACTERISTICS

- Full tinting capacity
- Durable, interior low -lustre finish
- Performance Offsets to Federal Standards TT-E-529, TT-E-1126

COLOR AND GLOSS LEVEL

- White and pastel base, midtone base, deeptone base
- Lo-lustre 20-30 (60° meter)

Notes:

- Use PITTSBURGH® paints custom colorants and refer to THE VOICE OF COLOR® formula book for tinting instructions. All oil-based alkyds will change color with age. The yellow discoloration is most visible in white and light colors
- Gloss will decrease as the coating ages

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	56 ± 3%
VOC (Supplied)	max. 2.8 lb/US gal (approx. 335 g/l)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) depending on system
Theoretical spreading rate	449 ft ² /US gal for 2.0 mils (11.0 m ² /l for 50 µm)
Shelf life	At least 36 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- Over-application can lead to wrinkling

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specific primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.



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Steel

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
 - Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance
 - Prime with a recommended primer
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Non-ferrous metals

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
 - Uniformly, abrade the surface using hand or power tools to dull or scratch the surface
 - Treat with conversion coatings or phosphating agents. Applicable over surface treatments such as MIL-C-5541. Alternately, lightly abrasive blast with fine abrasive to produce a uniform and dense anchor profile of 1.0 – 2.0 mils (25 – 50 µm) in accordance with SSPC SP-16
 - Prime with a recommended primer
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Gypsum Wallboard-Drywall

- Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth, and cleaned to remove any dust, then prime prior to painting the substrate
 - Prime with a recommended primer
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Concrete / Masonry

- Mortar 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-based paint must be prepared with extra care
 - If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape
 - If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal, and re-check adhesion
 - Prime with a recommended primer
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Wood

- Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, then primed. Any knots or resinous areas must be primed before painting
 - Countersink all nails or screws and putty flush with surface. Surface should be cleaned to remove any dust or contaminants, then primed prior to painting
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Substrate temperature and application conditions

- Surface temperature during application should be between 50°F (10°C) and 100°F (38°C)
 - Surface temperature during application should be at least 5°F (3°C) above dew point
 - Ambient temperature during application and curing should be between 50°F (10°C) and 100°F (38°C)
 - Relative humidity during curing should be above 0% and below 85%
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Warning

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSHapproved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

SYSTEM SPECIFICATION

- Primers for aluminum: 6-208, 90-712
 - Primers for CMU: 6-7, 6-15, 4-100
 - Primers for concrete/masonry: 4-603, AMERLOCK SERIES
 - Primers for ferrous metal: 6-208, 6-212, 90-712, 94-258, 97-680
 - Primers for galvanized steel: 17-921, AMERLOCK SERIES
 - Primers for wood: 17-921
 - Primers for drywall: 6-2, 9-900, 17-921
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INSTRUCTIONS FOR USE

- If material has skinned over, gently remove
 - Strain to remove any skin particles prior to agitation
 - Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
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Application

- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

Material temperature

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

Air spray

- Ensure there is a moisture and oil trap in the main air line
- Use standard conventional equipment

Recommended thinner

No thinner should be added

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Nozzle pressure

Atomizing pressure 30 - 35 p.s.i. (approx. 2 - 3 bar; 0.2 - 0.2 MPa); Fluid pressure 20 p.s.i. (approx. 2 bar; 0.1 MPa)

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Airless spray

- 30:1 pump or larger

Recommended thinner

No thinner should be added

Nozzle orifice

0.015 – 0.017 in (approx. 0.38 – 0.43 mm)

Nozzle pressure

1800 - 2000 p.s.i. (approx. 124 - 138 bar; 12.4 - 13.8 MPa)

Brush/roller

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" or 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build

Recommended thinner

No thinner should be added

Cleaning solvent

Mineral spirits

ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)					
Overcoating with...	Interval	50°F (10°C)	60°F (16°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	48 hours	42 hours	30 hours	18 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Overcoating times valid for a relative humidity of 50%

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	12 hours	24 hours
60°F (16°C)	8 hours	16 hours
70°F (21°C)	5 hours	10 hours
90°F (32°C)	3 hours	5 hours

Note: Curing times valid for a relative humidity of 50%



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Product Qualifications

- Performance offset to Federal Standards TT-E-529 and TT-E-1126

DISCLAIMER

- For industrial or professional use only

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor as well as contact between the wet paint and exposed skin or eyes

Danger

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



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LIMITATIONS OF LIABILITY

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AVAILABILITY

Packaging

1-gallon and 5-gallon kits

Product codes	Description
7-824	White and Pastel Base
7-825	Midtone Base*
7-826	Deeptone Base*

Note: * Must be tinted before use. Use PITTSBURGH® Paints Custom Colorants and refer to THE VOICE OF COLOR® formula book for tinting instructions

