7-LINE ALKYD I/E GLOSS <250 g/l VOC

DESCRIPTION

One-component, interior / exterior industrial gloss oil alkyd

PRINCIPAL CHARACTERISTICS

- High gloss topcoat with unlimited recoatability
- Ease of application, brush, roll, or spray
- Durable interior/exterior finish
- VOC compliant for <250 g/L specifications
- Full color tinting capacity

COLOR AND GLOSS LEVEL

- Tint Bases, White, Black, Safety Colors
- Gloss

Notes:

- Tint with FormulaPro or 9600 colorants
- Certain colors, especially red, orange, and yellow may require additional coats for adequate hiding, especially if applied over primers with a significant color contrast

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Volume solids	60 ± 2%
VOC (Supplied)	max. 249.0 g/l (approx. 2.1 lb/US gal)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) depending on system
Theoretical spreading rate	488 ft^2/US gal for 2.0 mils (12.0 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

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specifc 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

Non-ferrous metals

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
- Treat with conversion coatings or phosphatizing 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

Galvanizing

- Remove oil or soap film with detergent or emulsion cleaner, then use a phosphatizing conversion coating
- Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed. Alterately, abrade in accordance with SSPC SP-16 guidelines. Prime with an epoxy primer
- Aged galvanizing with at least 12 months of exterior exposure may be primed with an epoxy

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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

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Plaster

- 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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Masonry

- New masonry should cure for at least 30 days and preferably 90 days prior to priming and painting
- The pH of the substrate must be less than 10 before priming with an alkali-resistant 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

Stucco

- New stucco should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali-resistant primer. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a

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

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 application should be lower than 85%

SYSTEM SPECIFICATION

- Primers for aluminum: 6-208N, 90-1912
- Primers for CMU: 6-7, 6-15XI, AMERLOCK 400 BF
- Primers for concrete/masonry: 4-603XI, 17-921XI, AMERLOCK SERIES
- Primers for plaster: 4-603XI, 17-921XI
- Primers for ferrous metal: 6-208N, 90-1912, MULTIPRIME® 4360, MULTIPRIME® 4160
- Primers for galvanized steel: 17-921XI, AMERLOCK SERIES
- Primers for stucco: 4-603XI
- Primers for wood: 17-92XI

Note:

- Solvent wipe the surface of the epoxy prior to application. Allow the epoxy to dry achieve a dry through state. If the epoxy has cured greater than 3x the dry through time, abrade the surface prior to coating

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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

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Material temperature

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

Air spray

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

Recommended thinner

No thinner should be added

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Nozzle pressure

Atomizing pressure 35 - 40 p.s.i. (2.5 - 3.0 bar); Fluid pressure 20 p.s.i. (1.5 bar)

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)

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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 (50 µm)				
Overcoating with...	**Interval**	**50°F (10°C)**	**70°F (21°C)**	**90°F (32°C)**
itself	Minimum	48 hours	28 hours	16 hours
	Maximum	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.0 mils (50 µm)		
Substrate temperature	**Dry to touch**	**Dry to handle**
50°F (10°C)	8 hours	18 hours
70°F (21°C)	4 hours	7 hours
90°F (32°C)	2 hours	4 hours

Product Qualifications

- Performance offset to Federal Standards TT-E-489; TT-E-505; and TT-E-506
- Meets MPI Category #48, Alkyd, Interior, Gloss

SAFETY PRECAUTIONS

- 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
- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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

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WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & 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

- Information sheet | Explanation of product data sheets

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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AVAILABILITY OF PACKAGING

Packaging

- 1-gallon and 5-gallon containers

Product	Color
7-814N	White/Pastel Base
7-801N	Safety Red
7-282N	Super White
7-808N	Safety Yellow
7-817N	Deep rustic base*
7-815N	Midtone Base*
7-805N	Safety Orange
7-809N	Black
7-816N	Deeptone Base*

Note:

- * Must be tinted