

PITTHANE® ULTRA LS

DESCRIPTION

Two-component, low sheen aliphatic acrylic polyurethane

PRINCIPAL CHARACTERISTICS

- Low sheen topcoat with unlimited recoatability
- Outstanding weather resistance with excellent color and gloss retention
- Tough and flexible coating
- Can be applied and cured at low temperatures

COLOR AND GLOSS LEVEL

- Industrial White, Light Tint Base, Neutral Tint Base
- Low sheen

BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	67 ± 3%
VOC (Supplied)	max. 2.0 lb/US gal (approx. 240 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 350°F (177°C)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) depending on system
Theoretical spreading rate	537 ft ² /US gal for 2.0 mils (13.2 m ² /l for 50 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 36 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- Discoloration will occur at high temperatures

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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Substrate temperature and application conditions

- Surface temperature during application should be between 20°F (-7°C) and 140°F (60°C)
- Ambient temperature during application and curing should be between 20°F (-7°C) and 100°F (38°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Relative humidity during application should not exceed 85%

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., NIOSH approved) 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

- Apply over various PPG epoxy primers or compatible existing coatings

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 87.5:12.5 (7:1)

- Pre-mix pigmented components with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1–2 minutes until completely dispersed

Pot life

3 hours at 70°F (21°C)

Note: See ADDITIONAL DATA – Pot life

Application

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Protect from moisture until dry through time is reached

Material temperature

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)

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Air spray

- Use standard conventional equipment
- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

Recommended thinner

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

Volume of thinner

0 - 10%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Airless spray

- 28:1 pump or larger

Recommended thinner

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

Volume of thinner

0 - 10%

Nozzle orifice

0.013 – 0.015 in (approx. 0.33 – 0.38 mm)

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
- AMERCOAT 851 flow control additive can be used to for enhanced flow and leveling with brush and roll application

Recommended thinner

THINNER 21-06 (97-727) or THINNER 50-48 (AMERCOAT 923) or THINNER 21-25 (AMERCOAT 101)

Volume of thinner

0 - 5%

Cleaning solvent

THINNER 90-58 (AMERCOAT 12) or THINNER 21-06 (97-727)



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ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	12 hours	5 hours	2.5 hours
	Maximum	Unlimited	Unlimited	Unlimited

Overcoating interval with 97-722 accelerator or AMERCOAT 866 M accelerator for DFT up to 2.0 mils (51 µm)							
Overcoating with...	Interval	20°F (-7°C)	30°F (-1°C)	40°F (4°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	24 hours	12 hours - 16 hours	5 hours	4 hours	2 hours	Not recommended
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	6 hours	12 hours
70°F (21°C)	1.5 hours	8 hours
90°F (32°C)	1 hour	2.5 hours

Overcoating interval with 97-722 or 866M accelerator for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
20°F (-7°C)	8 hours	32 hours
40°F (4°C)	3 hours	5 hours
70°F (21°C)	1 hour	3 hours
90°F (32°C)	45 minutes	2 hours

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	5 hours
70°F (21°C)	3 hours
90°F (32°C)	1 hour



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Pot life (at application viscosity): with 97-722 or 866M accelerator

Mixed product temperature	Pot life
40°F (4°C)	3 hours
50°F (10°C)	2 hours
70°F (21°C)	1 hour
90°F (32°C)	N/A

Product Qualifications

- SSPC Paint 36 Level 3 Performance
- Considered to be suitable for USDA incidental contact applications
- Meets MPI 83 requirements
- For an anti-slip finish on floors or decks, Amercoat 886 anti-slip additive can be added to Pitthane Ultra LS at a rate of two pints per gallon of coating. Rate of addition of anti-slip additive can be increased or decreased depending on the anti-slip texture desired. Other inert anti-slip additives may also be suitable. Consult your PPG representative for guidance.

DISCLAIMER

- For industrial or professional use only
- For an anti-slip finish on floors or decks, Amercoat 886 anti-slip additive can be added to Pitthane Ultra LS at a rate of two pints per gallon of coating. Rate of addition of anti-slip additive can be increased or decreased depending on the anti-slip texture desired. Other inert anti-slip additives may also be suitable. Consult your PPG representative.

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
- Resistant to many commonly used disinfectants

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.



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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.

LIMITATIONS OF LIABILITY

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AVAILABILITY

Packaging

1-gallon and 5-gallon kits

Product codes	Description
95-8930	Industrial White base
95-8901	Light tint base
95-8900	Neutral tint base
95-899	Hardener

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