



**PITTSBURGH
PAINTS**

PROTECTIVE COATINGS

PITTHANE® ULTRA WB

95-8710 Series

Protective Coatings

GENERAL DESCRIPTION

Pitthane Ultra WB is a two-component, gloss waterborne acrylic urethane. It offers outstanding weather resistance with excellent color and gloss retention.

RECOMMENDED SUBSTRATES

Steel	Non-Ferrous Metals
Concrete	Interior Wood
Galvanized Metal	Previously Coated Surfaces

FEATURES / BENEFITS

- Low-VOC
- Fast Dry Time - Recoat in 2 hours
- Ease of Application - Brush/Roll/Spray
- High gloss topcoat with unlimited recoatability
- Outstanding weather resistance with excellent color and gloss retention
- Excellent adhesion, abrasion resistance, chemical resistance and UV resistance

CONFORMANCE STANDARDS

MPI Approved in Category 256
LEED v4.1 Emissions and VOC
SSPC Paint 36 Level 3 Performance
Suitable for incidental food contact in USDA-inspected facilities

PRODUCT INFORMATION

95-8710	White & Pastel Base
95-8720	Midtone Base*
95-8740	Neutral Base*
95-8760	Red Base
95-8780	Yellow Base
95-879	Hardener

*Must be tinted.

PACKAGING

Quart (946mL) - Hardener (Part B)
Gallon (3.78L) - Hardener (Part B) and Bases (Part A)
5-Gallon (18.9L) - Bases (Part A)

Not all products available in all sizes.

Pitthane Ultra WB 2K Waterborne Polyurethane Gloss

PRODUCT DATA (MIXED)

PRODUCT TYPE:	Waterborne Acrylic Urethane
SHEEN:	Gloss, 80-85 units @ 60°
VOLUME SOLIDS:	56% +/- 3%
VOC (Supplied):	EPA Method 24: 34 g/L (0.3 lbs/gal)
RECOMMENDED DFT:	2.0-4.0 mils (51-100 µm) depending on system
THEORETICAL SPREADING RATE:	449 ft²/US gal for 2.0 mils (11.2 m²/L for 51 µm)

CURING TIME FOR DFT UP TO 2.0 mils (51 µm):

Substrate Temperature	Dry-To-Touch	Dry-To-Handle
50°F (10°C)	5 hours	7 hours
70°F (21°C)	1.5 hours	2 hours
90°F (32°C)	45 minutes	105 minutes

OVERCOATING INTERVAL:

Overcoating with... Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
Itself	Minimum 7 hours	2 hours	105 minutes
	Maximum Unlimited	Unlimited	Unlimited

TEMPERATURE RESISTANCE (Continuous): Up to 200°F (93°C)

TEMPERATURE RESISTANCE (Intermittent): Up to 250°F (121°C)

FLASH POINT: Over 200°F (93°C)

SHELF LIFE: Base and Hardener: 24 months minimum (stored cool and dry)

LIMITATIONS OF USE

For Professional Use Only. Protect From Freezing.

Discoloration will occur at high temperatures.

Application of coating above the maximum recommended film thickness may result in film wrinkling due to post cure micro-foaming (NCO/water reaction).

Read Label and Safety Data Sheet prior to use. See other cautions on last page.

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GENERAL SURFACE PREPARATION

RECOMMENDED SUBSTRATE CONDITIONS & TEMPERATURES

- Coating performance is, in general, proportional to the degree of surface preparation.

Steel

- Remove weld spatter, protrusions, and laminations in steel. Grind welds smooth in accordance with NACE RP-0178.
- Remove all surface contaminants, oil and grease in accordance with SSPC-SP 1.
- Abrasive blast with an angular abrasive to an SSPC SP-6 cleanliness or higher for optimum performance. Achieve a surface profile of 1.0 – 2.0 mils (25 – 50 µm).
- For maintenance and repair in atmospheric service, the product can be applied over surfaces prepared in accordance with SSPC-SP 2 or SSPC-SP 3 (hand and power tool cleaning).

Concrete*

- Allow concrete, mortar, plaster, etc. to cure for 30 days or more under normal drying conditions.
- Remove all surface contaminants such as oil, grease, and embedded chemicals.
- Abrade surface per ASTM D4259 to remove all efflorescence and laitance, to expose subsurface voids, and to provide a surface roughness equivalent of 80 grit sandpaper or coarser.
- Surface should be free from moisture in accordance with ASTM D4263.

*Not recommended for concrete floors.

Galvanizing

- Galvanizing that has had at least 12 months of exterior weathering may be coated after prepared in accordance with SSPC-SP 1 to remove all contaminants and white rust.
- Alternately, power tool clean to uniformly abrade the surface or lightly abrasive blast with a 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.
- New, or otherwise un-weathered galvanized surfaces or galvanized surfaces that have been passivated with a chromate treatment must be prepared in accordance with SSPC-SP 16. Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed.
- For increased corrosion resistance prime with AQUAPON WB EP Primer.

Non-ferrous Metals and Stainless Steel

- Abrasive blast in accordance with SSPC-SP 16.

Aged Coatings and Repairs

- Ensure the coating system is sound and well adhered.
- Sweep blast in accordance with SSPC-SP 7 or otherwise thoroughly abrade the existing coating.
- Rusted or otherwise damaged areas should be power tool cleaned in accordance with SSPC-SP 3, feathering the edges of tightly adhered intact coating at the perimeter of repair areas.

Interior Wood

- Surface must be clean dry and sound.
- Knots and pitch streaks must be scraped, sanded, and spot primed before full coat of primer is applied.
- All nail holes or small openings must be properly caulked.

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 above 0% and below 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

- Primers: PITT-TECH PLUS EP Primers: 90-1909 -Gray, 90-1912 White, 90-1908 Red Oxide; AQUAPON WB EP Primer: 98E-46/99 Gray; MUL-TIPRIME 4160: 4160-6120 Gray, 4160-1000 White, 4160-7100 Red; MULTIPRIME 4360: 4360-6120 Gray, 4360-1000 White, 4360-7100 Red; AMERICOAT 68HS; DIMECOTE 9; SIGMAFAST 278; AMERLOCK 2

APPLICATION INFORMATION

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 5:1

- Pre-mix base component to homogenize the container. Add hardener and stir for 2-3 minutes until completely dispersed. Drill mixers and pneumatic mixers are also suitable and may be more efficient when mixing 5-gallon kits.
- Immediately after mixing, as the material sits it may appear to increase in viscosity. However, upon mixing again after 2-3 minutes the viscosity will return to the initial state.

Induction Time: None

Pot Life: 2 hours at 70°F (21°C)

Application

- Area should be sheltered from airborne particulates and pollutants.
- Avoid combustion gases or other sources of carbon dioxide and/or water vapor that may promote amine blush and 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 80°F (27°C).

Air Spray

- Use standard conventional equipment
- Recommended thinner - Tap water
- Volume of thinner - 0-5%
- Nozzle orifice - Approx. 0.070 in (1.8 mm)

Airless Spray

- 28:1 pump or larger
- Adjust pump pressure as needed
- Recommended thinner - Tap Water
- Volume of thinner - 0-5%
- Nozzle orifice - 0.013-0.015 in (approx. 0.33-0.38 mm)
- Nozzle pressure - 55-70 psi (approx. 4-5 bar; 0.4-0.5 MPa)

Brush/Roller

- Use a high-quality nylon/polyester brush and/or a high-quality 3/8" nap roller.
- In hot or dry conditions, layoff lightly rolling with 3/8" nap roller cover.
- Multiple coats may be necessary to achieve adequate film-build.
- Recommended thinner - Tap Water
- Volume of thinner - 0-5%

Cleaning Solvent: Tap water

PRECAUTIONS

For warning information, please refer to the product label and SDS available at the online listing for this product at www.pittsburghpaintsco.com. Keep container tightly closed and sealed until ready for use. SDS, spill, and emergency information are available by calling 1-833-477-1553.

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95-8710- 3/2026