



HPC/Industrial Maintenance

Pitt-Tech® Int./Ext. Satin DTM Industrial Enamels

GENERAL DESCRIPTION

Pitt-Tech® Satin Industrial Enamels are a full line of 100% Acrylic water borne enamels designed for direct-to-metal application. These products provide corrosion protection, chemical and solvent resistance, and are fast drying with low odor. Recommended for use on properly prepared interior or exterior metal, masonry, plaster, and drywall surfaces. **For Professional Use Only; Not Intended for Household Use.**

RECOMMENDED USES

Aluminum	Concrete, Stucco, Plaster, Masonry
Drywall	CMU
Ferrous Metal	
Galvanized Steel	

FEATURES AND BENEFITS

Excellent adhesion for true DTM performance in Pastel Base Ready-Mixed Colors
Improved color, and gloss retention versus most alkyds and two component coatings.
High hiding
Flash rust resistant
Easy to apply, low odor
Performance Offset to Federal Standard TT-E-2784 and MIL-P-28578
Can earn LEED NC Version 2.2 Credits

MIXING AND APPLICATIONS INFORMATION

Mix thoroughly before and during use.

Permissible temperatures during application:

Material:	60° to 90° F	16°C to 32°C
Ambient:	50° to 100° F	10°C to 38°C
Substrate:	50° to 120° F	10°C to 49°C

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

Brush: High Quality Polyester/Nylon Brush

Roller: 3/8" nap roller cover

Airless Spray: Pressure 1500 - 3000 psi, tip 0.013" to .0015"

Conventional Spray: Fluid Nozzle: DeVilbiss 510 gun, with 704 or 777 air cap with E tip and needle, or comparable equipment.
Atomization Pressure: 55-70
Fluid Pressure: Can not specify, dependent on numerous factors.

Thinning: Thinning is not usually required. Excessive thinning or insufficient film thickness may cause rust staining. If rust staining occurs, apply an additional coat. Do not add oils, paint thinners, or any paint additives. For additional open time and better flow and leveling during times of extremely low humidity and/or high temperatures up to 8 ounces of 90-740 Pitt-Tech® Conditioner may be added per gallon of Pitt-Tech.

TINTING AND BASE INFORMATION

90-406	Safety Red
90-430	Safety Yellow
90-444	Bronze Tone
90-453	Black
90-474	White and Pastel Base
90-475	Midtone Base
90-476	Deeptone Base
90-477	Deep Rustic Base

PRODUCT DATA

PRODUCT TYPE: 100% Acrylic Formula
GLOSS: Satin: 20 to 40 (60° Gloss Meter)
VOC*: 1.89 lbs./gal. (227 g/L)
COVERAGE: 200 to 303 sq. ft./gal.
 (19 to 28 sq. m/3.78L)

Note: Does not include loss due to varying application method, surface porosity, or mixing.

DFT: 2.0 to 3.0 mils
WEIGHT/GALLON*: 10.2 lbs.(4.6 kg)+/-0.2 lbs. (91g)
VOLUME SOLIDS*: 38% +/- 2%
WEIGHT SOLIDS*: 50% +/- 2%
MIXED RATIO: One Component

*Product data calculated on mixed product.

Wet Film Thickness: 5.5 to 8.3 mils
 Wet Microns: 140.0 to 210.0
 Dry Film Thickness: 2.0 to 3.0 mils
 Dry Microns: 50.8 to 76.2
IN SERVICE TEMP.: Dry Heat 250°F (121°C)

DRYING TIME: Dry time @77°F (25°C); 50% relative humidity.

To Touch: 1 hour
 To Handle: 4 hours
 To Recoat: 4 hours

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

CLEANUP: Soap and Water

FLASH POINT: Over 200°F (93°C)

PACKAGING

1-Gallon (3.78L)
5-Gallon (18.9L)

GENERAL SURFACE PREPARATION

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. The service life of the coating is directly related to the surface preparation. Where appropriate bare areas should be primed with a suitable primer. Pitt-Tech® 90-712 Series, Industrial Enamel Primers, must be used on all bare metal substrates when using colors made from Midtone, Deeptone, and Deep Rustic bases. Remove and inhibit regrowth of mildew on exterior surfaces by using PPG Mildew Check® Multi-Purpose Wash, 18-1. Before use, be sure to read and follow the instructions and warnings on the label. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system.

FERROUS METAL: Rust and other surface contaminants must be removed. Then the surface thoroughly cleaned to remove all other contaminants.

GALVANIZED STEEL: Solvent Clean per SSPC-SP1 to remove grease and oils. If any oxidation (white rust) has formed, sand and remove all forms of contamination. If the galvanized has been passivated or stabilized, the surface must be abraded i.e. Brush-Off Blast Clean per SSPC-SP7 or chemically treat the surface.

ALUMINUM: Solvent Clean per SSPC-SP1 to remove grease and oils.

CONCRETE, STUCCO, PLASTER, MASONRY other than CMU: Allow all concrete, mortar, plaster, etc. to cure for thirty (30) days under normal drying conditions. Remove all dirt, dust, grime, loose mortar and all other forms of contamination. Concrete which has been treated with curing compounds or hardeners, should be thoroughly abraded.

CONCRETE MASONRY UNITS: Allow the mortar to cure for thirty (30) days under normal drying conditions. Remove all dirt, dust, grime, loose mortar and all other forms of contamination.

RECOMMENDED PRIMERS

Interior Wood	17-921, 17-955
Concrete, Stucco, Plaster, Masonry other than CM Unit	4-603, 4-808
Concrete Masonry Units	6-15, 16-90
Drywall	6-2, 9-900, 17-921
Aluminum	6-204, 90-712
Exterior Wood	6-609, 17-921
Ferrous Metal	Self priming, 6-208, 7-852, 90-712
Galvanized Steel	Self priming, 6-209, 90-712

LIMITATIONS OF USE

For Professional Use Only; Not Intended for Household Use.

Apply only when air, product and surface temperatures are between 50°F - 100°F (10°C - 38°C) and surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior painting late in the day when dew or condensation are likely to form or if rain is threatening. Two coats are required for maximum protection and durability if used as a finish coat. Do not use on large wood structures or for immersion service. **PROTECT FROM FREEZING.** Excessive thinning or insufficient film thickness may cause rust staining. If rust staining occurs, apply an additional coat.

SAFETY

Proper safety procedures should be followed at all times while handling this product. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury. Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website www.ppghpc.com or by calling 1-800-441-9695.

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