HPC/Industrial Maintenance

Pitt-Tech® Int./Ext. Primer/Finish DTM Industrial Enamel

GENERAL DESCRIPTION

Recommended for use on properly prepared interior or exterior metal surfaces, in light to moderate industrial climates for maintenance or new construction. Use wherever an easy to use, low VOC primer is required to prepare most metal surfaces. Enhances adhesion of the final finish. Can be used as a primer under Pitt-Tech® or other PITTSBURGH® Paints topcoat products. **For Professional Use Only; Not Intended for Household Use.**

RECOMMENDED USES

Aluminum
Ferrous Metal
Galvanized Metal

FEATURES AND BENEFITS

Excellent adhesion
Low odor, low VOC primer
Easy clean up
Accepts most topcoats
Performance offsets to Federal Standards TT-P-1975, Mil-P-28577; Mil-P-53032
Can help earn LEED 2009 credits

MIXING AND APPLICATIONS INFORMATION

Mix thoroughly before and during use.

Permissible temperatures during application:

Material:	60º to 90º F	15ºC to 32ºC
Ambient:	50º to 100º F	10ºC to 38ºC
Substrate:	50º to 130º F	10ºC to 54ºC

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: 3/16” - 3/4” nap roller cover

Airless Spray: Pressure 2000 - 2600 psi, tip 0.015” to .0.023”

Conventional Spray: Fluid Nozzle: DeVilbiss MBC gun, with 704 or 777 air cap with E or FF 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.

TINTING AND BASE INFORMATION

90-708	Red Inhibitive
90-709	Gray Primer
90-712	White

PRODUCT DATA

PRODUCT TYPE:	100% Acrylic Formula
GLOSS:	Flat
VOC*:	1.07 lbs./gal. (123 g/L)
COVERAGE:	208 to 312 sq. ft./gal. (19 to 29 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*:	39% +/- 2%
WEIGHT SOLIDS*:	50% +/- 2%

*Product data calculated on mixed product.

Wet Film Thickness:	5.1 to 7.7 mils
Wet Microns:	129.5 to 195.6
Dry Film Thickness:	2.0 to 3.0 mils
Dry Microns:	51.0 to 76.2
IN SERVICE TEMP.:	Dry Heat 250ºF (121ºC)

DRYING TIME: Dry time @77ºF (25ºC); 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 200ºF (93ºC)

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. Pitt-Tech® Industrial Enamel Primers, 90-712 or 90-709, must be used on all bare metal substrates when using colors made from Pitt-Tech Finishes in Midtone, Deeptone, and Deep Rustic bases. Remove and inhibit regrowth of mildew on exterior surfaces by using 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.

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

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.

RECOMMENDED PRIMERS

None See Surface Preparation

LIMITATIONS OF USE

For Professional Use Only; Not Intended for Household Use. Apply only when air and surface temperatures are between 50°F to 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.

PROTECT FROM FREEZING.

Not recommended for immersion service.

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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