

**PITTSBURGH PAINTS**A new generation of paint company
for a new generation.**PITT-TECH®****90-712 Series****HPC/Industrial Maintenance****PITT-TECH® Int/Ext Primer/Finish DTM Industrial Enamel****Generic Type**

100% Acrylic Formula

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.

Recommended Uses

Aluminum
Ferrous Metal
Galvanized Metal

Features / Benefits

Excellent adhesion
Low odor, low VOC primer
Easy clean up
Accepts most topcoats

Limitations of Use

Apply only when air, product and surface temperatures are between 50°F to 100°F (38°C - 100°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.

Tinting and Base Information

DO NOT TINT.

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

Product Data

Gloss:	Flat
VOC*:	0.97 lbs/gal 116.00 g/L
Coverage:	208 to 315 sq ft/gal (19 to 29 sq. m/3.78L)
DFT:	2.0 minimum to 3.0 maximum
Weight/Gallon*:	10.2 lbs. (4.6 kg) +/- 0.2 lbs. (91 g)
Volume Solids*:	38.9% +/- 2%
Weight Solids*:	50.0% +/- 2%
Clean-up:	Soap and Water

Results will vary by color, thinning and other additives.

*Product data calculated on 90-712

Drying Time:

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

Dry Time @77°F (25°C); 50% relative humidity

Flash Point: Over 200°F, (93°C)

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. Where appropriate bare areas should be primed with a suitable primer. 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.

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

FERROUS METAL: Remove all oil and grease from the surface by Solvent Cleaning per SSPC-SP1 and Power Tool per SSPC-SP3 to remove loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP6, NACE-3) is recommended for severe exposures.

ALUMINUM: Remove all oil, grease, dirt, oxide, and other foreign material by Solvent Cleaning per SSPC-SP1. No primer is necessary for new aluminum surfaces. Hand Clean per SSPC-SP2 or Power Tool clean per SSPC-SP3 to remove any deteriorated previous coatings.

GALVANIZED STEEL: All stabilizers must be removed by appropriate means prior to painting.

HPC Systems in Detail Brochure (H10788) COATING SYSTEM: 478-HD

Recommended Primers

none See Surface Preparation

Application Information

Recommended Spread Rates:

Wet Mils :	5.1	minimum to	7.7	maximum
Wet Microns:	129.5	minimum to	195.6	maximum
Dry Mils :	2.0	minimum to	3.0	maximum
Dry Microns:	51.0	minimum to	76.2	maximum

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

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.

Airless Spray: Pressure 2000 - 2600 psi, tip 0.015 - 0.023" Hose

Brush: High Quality Polyester/Nylon Brush

Roller: 1" or 1 1/2" nap roller cover

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.

Directions for Use

Mix thoroughly before and during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

Permissible temperatures during application:

Material:	50 to 100°F	10 to 38°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

PPG AF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or call 1-800-441-9695

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

Not all products are available in all sizes.



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Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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