



HPC/Industrial Maintenance

PITT-THERM® Int/Ext High Heat/Stress Corrosion Protection

Generic Type

Air Dry Silicone, One Component

Tinting and Base Information

97-724 Black
UC59571 Gray

General Description

This coating is intended for use on austenitic stainless and carbon steel to provide protection against chloride attack and stress corrosion cracking on both insulated and uninsulated surfaces. PITT-THERM® has excellent thermal shock and barrier properties, and may be used as a heat resistant coating for carbon steel.

Recommended Uses

Austenitic Stainless Steel
Carbon Steel

Features / Benefits

High heat and thermal stress resistance.
Protects steel against chloride attack and stress corrosion cracking.

Limitations of Use

Not intended for residential use. Apply only when air, product and surface temperatures are 40°F (4.4°C) and when 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 when rain is threatening. Special attention should be given to insure that this product is not contaminated by moisture during the application process.

Product Data

Gloss: Matte
VOC*: 4.62 lbs/gal 554.00 g/L
Coverage: 281 to 373 sq ft/gal (26 to 35 sq. m/3.78L)
Note: Does not include loss due to varying application method, surface porosity, or mixing.
DFT: 1.5 minimum to 2.0 maximum
Weight/Gallon*: 9.6 lbs. (4.5 kg) +/- 0.2 lbs. (91 g)
Volume Solids*: 34.8% +/- 2%
Weight Solids*: 52.1% +/- 2%
Clean-up: 97-727 PPG Xylol Thinner

Results will vary by color, thinning and other additives.

*Product data calculated on full formula.

Drying Time:

To Touch: 20 minutes
To Handle: 2 hours
To Recoat: 16 hours

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

In Service Temperature:

Dry Heat (F): 850° Dry Heat (C): 454°

Flash Point: 62°F, (16.7°C)

Remove all loose paint, mill scale, and rust. The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, and other foreign materials. Service life of coating is in direct proportion to surface preparation. For application to Austenitic Stainless Steel SSPC-SP1 Solvent Wash is the minimum surface preparation. For Carbon Steel applications, SSPC-SP10 Near White Metal Blast is required. Where appropriate bare areas should be primed with a suitable primer.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 225-HD, 226-HD, 227-HD

Recommended Primers

Steel	Self Priming, 97-673/674 or 675, 97-676 or 677
none	Refer to HD Coating Systems.

Application Information

Recommended Spread Rates:

Wet Mils :	4.3 minimum to	5.7 maximum
Wet Microns:	109.2 minimum to	144.8 maximum
Dry Mils :	1.5 minimum to	2.0 maximum
Dry Microns:	38.1 minimum to	50.8 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 1500 psi, tip 0.011" - 0.015"

Brush: Not Recommended

Roller: Not Recommended.

Thinning:

DO NOT THIN. Spray product as received.

Directions for Use

Mix thoroughly to suspend all pigmentation 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:	40 to 90°F	4 to 32°C
Ambient:	40 to 100°F	4 to 38°C
Substrate:	40 to 130°F	4 to 54°C

PPGAF 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)

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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