



**HPC/Industrial Maintenance**

**PITT-THERM® Interior/Exterior High Heat & Stress Corrosion**

**Generic Type**

**Tinting and Base Information**

Air Dry Silicone, One Component

Gray  
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\*:** 4.40 lbs/gal 527.80 g/L  
**Coverage:** 303 to 401 sq ft/gal (28 to 37 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\*:** 10.5 lbs. (4.8 kg) +/- 0.2 lbs. (91 g)  
**Volume Solids\*:** 37.8% +/- 2%  
**Weight Solids\*:** 58% +/- 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:** 90°F, (32.2°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. The minimum surface preparation for rusted or new metal surfaces is SSPC-SP10 Near White Metal.

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

### Recommended Primers

See Surface Prep Section

For specific recommendations, see your Pittsburgh Paints dealer or call 1-800-441-9695.

### Application Information

#### Recommended Spread Rates:

Wet Mils :	4.0 minimum to	5.3 maximum
Wet Microns:	101.6 minimum to	134.6 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-510 gun, with 704 or 777 air cap with FF tip and needle, or comparable equipment. Atomization Pressure: 55 - 70 Fluid Pressure: Can not specify, dependent on numerous factors.

**Airless Spray:** Tip: 0.011" - 0.013"

**Brush:** Not Recommended

**Roller:** Not Recommended.

#### Thinning:

Where allowed by existing VOC regulations, this product may be thinned up to 12 oz. per gallon with 97-727.

### 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:	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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PPG Coatings, Inc.  
Coatings and Resins Group  
5546 Timberlea Blvd.  
Mississauga, Ontario L4W2T7  
(905) 238-6441

**Bulletin: UC59571**

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

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