

PITT-THERM® | 97-724 SERIES

DESCRIPTION

One-component, air dry silicone

PRINCIPAL CHARACTERISTICS

- Continuous dry temperature resistance to 850°F (454°C)
- High heat and thermal stress resistance
- Protects stainless steel against chloride attack and stress corrosion cracking

COLOR AND GLOSS LEVEL

- Black, White
- Gray
- Matte

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	35 ± 3%
VOC (Supplied)	max. 4.6 lb/US gal (approx. 554 g/l)
Recommended dry film thickness	1.5 - 2.0 mils (38 - 50 µm) depending on system
Theoretical spreading rate	374 ft ² /US gal for 1.5 mils (9.2 m ² /l for 38 µm)
Shelf life	At least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. All previous coats must dry and free of contaminants
- Remove weld spatter, protrusions, and laminations in steel. Grind welds smooth in accordance with NACE RP-0178
- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
- Abrasive blast cleaning to SSPC SP-10 standards (SP-16 for stainless steel) using a fine abrasive to obtain an angular 1.0-1.5 mil anchor profile. Blast stainless steel with a non-metallic abrasive



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Substrate temperature and application conditions

- Surface temperature during application should be between 40°F (4°C) and 130°F (54°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 100°F (38°C)
- Relative humidity during application should be between 0% and 85%

Warning

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

SYSTEM SPECIFICATION

- Primers: Direct to metal, 97-694, 97-676, DIMETCOTE 9-Series

INSTRUCTIONS FOR USE

- Inspect the top surface and remove any “skins” that may have formed on top
- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing

Application

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

Material temperature

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)

Air spray

- Use standard conventional equipment
- Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

Recommended thinner

No thinner should be added

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Nozzle pressure

Atomizing pressure 55 - 70 p.s.i. (4.0 - 5.0 bar); Fluid pressure as required



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Airless spray

- 30:1 pump or larger

Recommended thinner

No thinner should be added

Nozzle orifice

0.011 – 0.015 in (approx. 0.28 – 0.38 mm)

Nozzle pressure

10.3 MPa (approx. 104 bar; 1500 p.s.i.)

Cleaning solvent

THINNER 21-06 (97-727)

ADDITIONAL DATA

Overcoating interval for DFT up to 1.5 mils (38 µm)

Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	42 hours	20 hours	12 hours
	Maximum	Unlimited	Unlimited	Unlimited

Notes:

- Drying times may vary depending on temperature, humidity, and air movement
- Overcoating times valid for a relative humidity of 50%

Curing time for DFT up to 1.5 mils (38 µm)

Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	2 hours	8 hours
70°F (21°C)	30 minutes	3 hours
90°F (32°C)	15 minutes	1.5 hours

Note: Curing times valid for a relative humidity of 50%

DISCLAIMER

- For industrial or professional use only
- Do not use for combustion gases or for an internal lining

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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Danger

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG’s specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer’s discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer’s failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

LIMITATIONS OF LIABILITY

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AVAILABILITY

Packaging

1-gallon kit

Product codes	Description
97-724	Black
UC59571	Gray

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