

# PROTECTIVE COATINGS

## High Temperature 600



### BERGER HIGH TEMPERATURE HT 600 COATING

#### PRODUCT DESCRIPTION

A modified silicon high temperature coating pigmented with special heat tolerant pigment

- Outstanding weather resistance and durability
- Heat resistant to 1100°F (590°C)
- Good chemical resistance

#### DESIGNED USE

Protect metal surfaces with surface temperatures up to 600 °C.

- A heat-resistant coating for hot metal surfaces in the oil and chemical industries
- Reformers
- Engines
- Generators
- Insulated stainless steel piping, vessels and equipment

#### PHYSICAL DATA

##### VOLUME SOLIDS

(based on ASTM D2697)

37% ± 2%

##### TYPICAL DRY FILM THICKNESS

50 microns

##### WET FILM THICKNESS

120 microns

##### THEORETICAL COVERAGE

7 - 7.5 m<sup>2</sup>/litre (278-298 sq ft per 3.7L) @ 50 microns DFT

##### FINISH

Flat

#### APPLICATION

##### METHOD OF APPLICATION:

#### DETAILS

##### AIRLESS SPRAY

This is the recommended method of application:  
Maximum 5 % thinner may be added  
Tip Size: 0.38 - 0.43 mm (0.015 - 0.017 in)  
Pressure: 160 - 200 kg/cm<sup>2</sup> (2200 - 2800 psi)

##### BRUSH OR ROLLER

May be used for difficult shapes or touch-up.  
However, additional coats may be required to achieve the recommended film thickness

##### CONVENTIONAL SPRAY

This is also a suitable method of application:  
Maximum 20% Thinner may be added  
Tip Size: 1.8 mm - 2.2 mm (0.071 - 0.087 in)  
Pressure: 40 - 45 Psi (2.75 - 3.45 kg/cm<sup>2</sup>)

##### DRYING TIME:

Touch Dry - 2 hours  
Recoat time - 12 hours  
Hard dry - 24 hours

##### CONDITION:

Do not apply this product if the relative humidity exceeds 95% or if the substrate temperature is within 3°C of the dew point

#### ADDITIONAL INFORMATION

Thinner / Cleaning solvent

Reducer No. 4

Storage Instruction

Store in a cool shaded dry area

Flash Point

Mixed 25°C

Packaging

1 Gallon (3.7L)

Shelf Life

24 months from the date of Manufacturing

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### SURFACE PREPARATION

The lifespan and performance of this coating is directly related to the degree of surface preparation. For best results the surface should be treated as follows:

- Ensure surface is cooled to ambient temperature before application
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPI
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface
- Abrasive blast clean to a minimum standard of 8501-1
- An average surface profile of 50 microns is acceptable, but this should not exceed 75 microns
- After blasting remove the dust and ensure the surface is clean & dry prior to coating
- If a zinc primer is used, the surface must be clean, dry and free from dust prior to applying HT 600 Coating. Alternatively, two to three coats of HT 600 Coating can be applied directly onto the blasted surface

### PRODUCT USE INSTRUCTIONS

Not recommended for immersion services

- High DFT (> 50microns) is not recommended as this may lead to cracking and premature failure

### SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire - blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information

### FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner
- DO NOT USE solvent or thinner
- Inhalation: Remove to fresh air, loosen collar and keep patient rested
- Ingestion: In case of accidental ingestion, **DO NOT INDUCE VOMITING**
- Obtain immediate medical attention

### DISCLAIMER

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For specific recommendations, contact ANSA COATINGS Technical Service Department Version 4 Jan 2025.



