

# PSX® 892 HS

## DESCRIPTION

High Temperature Polysiloxane

## PRINCIPAL CHARACTERISTICS

- High temperature resistance
- Ambient temperature cure
- High solids, VOC compliant
- Patented cure technology

## COLOR AND GLOSS LEVEL

- Aluminum
- Black, gray
- Semi-gloss

Note: Colors may vary from batch-to-batch

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	64 ± 2%
VOC (Supplied)	max. 2.7 lb/US gal (approx. 324 g/l)
Recommended dry film thickness	1.0 - 3.0 mils (25 - 76 µm) depending on system
Theoretical spreading rate	1027 ft <sup>2</sup> /US gal for 1.0 mils (25.6 m <sup>2</sup> /l for 25 µm)
Shelf life	At least 12 months when stored cool and dry

Notes:

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

## TEMPERATURE RESISTANCE

Temperature resistance		
First coat	Second coat	Temperature resistance
DIMETCOTE 9-series (2.5 - 4.0 mils)	PSX 892 HS (2.0 - 3.0 mils)	500°F (260°C)
DIMETCOTE 9-series (2.0 - 3.0 mils)	PSX 892 HS (1.0 - 2.0 mils)	750°F (400°C)

Note: Product is not recommended for rapid thermal cycling



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## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Steel

- 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 with an angular abrasive to an SSPC SP-10 cleanliness or higher. Achieve a surface profile of 1.0 – 2.5 mils (25 – 64 µm)
  - Apply DIMETCOTE 9-series primer as soon as possible to avoid rusting of blasted surfaces
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### Stainless steel

- Abrasive blast with a hard angular abrasive to achieve a uniform and dense anchor profile of 1.0 – 1.5 mils (25 – 38 µm)
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### Inorganic zinc surfaces

- Surface must be clean, dry and free of zinc salts
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### Substrate temperature and application conditions

- Surface temperature during application should be between 40°F (4°C) and 120°F (49°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 120°F (49°C)
  - Relative humidity during application should be above 25% and below 85%
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## INSTRUCTIONS FOR USE

- Mix with a pneumatic air mixing at moderate speeds to homogenize the container
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### Application

- Area should be sheltered from airborne particulates and pollutants
  - Provide shelter to prevent wind from affecting spray patterns
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### Air spray

- Separate air and fluid regulators are essential
- Ensure there is a moisture and oil trap in the main air line
- Use standard conventional equipment

### Recommended thinner

THINNER 21-06 (AMERCOAT 65) or THINNER 60-12 (AMERCOAT 91)

### Volume of thinner

0 - 5%

### Nozzle pressure

Atomizing pressure 40 - 50 p.s.i. (3.0 - 3.5 bar); Fluid pressure as required

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**Airless spray**

- 30:1 pump or larger
- Hoses should normally be kept as short as possible

**Recommended thinner**

THINNER 21-06 (AMERCOAT 65) or THINNER 60-12 (AMERCOAT 911)

**Nozzle orifice**

0.013 – 0.015 in (approx. 0.33 – 0.38 mm)

**Brush/roller**

- Use a high quality natural bristle brush. Ensure brush is well loaded to avoid air entrainment. Brush application is limited to small touch up areas of a few square inches
- Roller application is not recommended for service temperatures exceeding 500°F
- Aluminum formulas may show roller patterns
- Use a well-loaded, solvent resistant, short nap roller

**Recommended thinner**

AMERCOAT 65 or AMERCOAT 911

**Cleaning solvent**

AMERCOAT 12 Cleaner or thinner

**ADDITIONAL DATA**

Curing time for DFT up to 2.0 mils (51 µm )		
Substrate temperature	Dry to handle	Full cure
50°F (10°C)	24 hours	9 days
70°F (21°C)	10 hours	7 days
90°F (32°C)	2 hours	5 days

**Heat cure procedures**

Force Cure Schedule Based on Steel Temperature Readings	
Temperature	Cure to service
70°F (21°C)	24 hours
400°F (200°C)	1 hour



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## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

## 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

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Packaging: Available in 1 and 5 gallon containers

Product code	Description
PX892H-01	Aluminum
PX892H-2	Gray
PX892H-9	Black

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