

**APCOFINE 905 HR**

Engineered siloxane heat resistant coating

**PRODUCT DESCRIPTION**

A two component air drying heat resistant finish coat that has:

- Outstanding weathering resistance and durability.
- Good chemical resistance.
- High solid Low VOC coating.

**DESIGNED USE**

- Excellent heat resistance property up to 600°C.
- Suitable to protect steel under thermal insulation at higher temperature.
- Recommended for power plants, chimneys, Exhaust ducts and stacks, refinery etc.
- Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

**PHYSICAL DATA**

<b>VOLUME SOLIDS</b> (Based on ASTM D2697)	80 % $\pm$ 2 %
<b>TYPICAL DRY FILM THICKNESS</b>	100-150 microns
<b>WET FILM THICKNESS</b>	125- 190 microns
<b>THEORETICAL COVERAGE</b>	8.4 m <sup>2</sup> /litre @ 100 microns DFT
<b>VOC "As Supplied"</b> (Based on ASTM D3960)	Less than 200 gms/ltr
<b>COLOUR</b>	Grey
<b>FINISH</b>	Matt

**APPLICATION DETAILS****METHOD OF APPLICATION:****AIRLESS SPRAY**

This is the recommended method of application:  
Maximum 15% Thinner may be added.  
Tip Size: 0.48 - 0.64 mm  
Pressure = Approx 150 atm. (2100 psi)

**CONVENTIONAL SPRAY**

This is also a suitable method of application.  
Maximum 10-40% Thinner may be added  
Tip Size: 1.5 – 3.0 mm  
Pressure: 3 – 4 atm. (43- 57 psi)

**BRUSH OR ROLLER**

May also be used. Care should be taken to ensure an even application to avoid runs, sagging, etc.

**DRYING TIME:**

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval	
			Minimum	Maximum
30°C	3 Hrs	6 Hrs	3 Hrs	5days

**NO. OF COMPONENTS**

Two

**MIXING RATIO:**

Base : Hardener = 95:5 by weight.

**APPLICATION CONDITION**

Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

**ADDITIONAL INFORMATION**

Thinner / Cleaning solvent	Solvalux 7-25
Storage Instruction	Store in a cool shaded dry area
Flash Point	Not less than 28°C
Packaging	5 USG
Shelf Life	6 months from the date of manufacture.

**APCOFINE 905 HR****Engineered siloxane heat resistant coating****SURFACE  
PREPARATION**

This product should be applied to a surface that has been blast cleaned and carefully primed.

- Steel, blast clean to Sa 3 or Sa½ of Swedish specification. Blasting profile: (Rz) 40-70 microns.
- Heavily pitted steel is not suitable.
- For application over weathered zinc primers, ensure white rust removal by thorough water scrubbing/high pressure water cleaning.
- Please note that the primer application will enhance the corrosion resistance of the system.
- This product should not be applied on hot surfaces.

**APPLICATION**

- When blast cleaning is employed, should a holding primer be required, apply one coat of ZINCANCODE 100 at 20-25 microns.
- Mist coat is recommended when applied over zinc silicate primer.
- Can be applied over stainless steel.

**PRODUCT USE  
RESTRICTIONS**

- This product may change color, but performance will not be impaired by this.
- Not suitable for immersed conditions.
- Dry heat resistance up to 600°C
- May also be applied between 100 and 150 Microns DFT
- Contact Berger Representative for suggesting suitable paint system

**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 thinners.
- 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**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.