



P800 Heat Resistant Coating

Product group	High temperature resistant and insulative coatings
Characteristics	<p>Single component silicone alkyd modified paint with fast drying properties. Suitable for surfaces where high heat resistance is required such as jet pipes, jet engines, exhaust systems etc.</p> <p>Key properties include.</p> <ul style="list-style-type: none">- Heat resistance up to 400°C (752°F)- Good solvent, chemical and corrosion resistance.- Insulative properties- Fast air drying or stoving properties- Adheres to aluminium or blasted steel substrates
Hardener / Thinners	P800 Thinners
Specifications	
Surface condition	<p>New Steel: Welds must be continuous without skip welds. Blast clean to a surface finish conform to ISO 8501-1, derusting grade Sa 2½ with a profile of approximately 50 µm as determined with "Press-O-Film" tape or a similar device. Thoroughly clean the surface with Solvent Cleaning C28/15.</p> <p>Repair and Maintenance Steel: Clean down the surface with a suitable solvent cleaner (e.g. Solvent Cleaning 28/15) or a water soluble detergent to remove oil, grease etc. Remove salt and other contamination by high-pressure water wash. Remove all rust and loose material by blast cleaning to Sa 2½. Prior to repainting carefully brush down or vacuum clean the surface to remove rust and residues left after cleaning.</p> <p>Aluminium: Clean the aluminium thoroughly with Solvent Cleaning C28/15. Treat the aluminium with Scotch-Brite® type A very fine to a uniform matt surface. Remove dust prior to application with e.g. tack rag.</p>



Instructions for use

- | | |
|----------------------------|--|
| - Mixing ratio (by volume) | Thin with P800 thinners up to 10 parts thinners per 100 parts coating

- Allow products to acclimatize to room temperature before use
- Stir or shake P800 till all pigment is uniformly dispersed before adding thinner.
- Stir the mixture thoroughly. |
| - Spraying Viscosity | 60-90 secs ISO cup 5 |
| - Induction time | NA |
| - Potlife | NA |
| - Dry film thickness | 30-40 μ . |
| - Theoretical coverage | Approx 6M ² per litre base material @ 35 μ dft. |
-

Application recommendations

- | | |
|-------------------------|---|
| - Conditions | Temperature 15 - 35°C |
| - Relative humidity | 35 - 75% |
| - Equipment | Apply by conventional, HVLP or airless spray or dipping. |
| - Number of coats | Apply a mist coat followed after 10 minutes flash off by a cross coat or two single coat. |
| - Cleaning of equipment | Solvent Cleaning C 28/15 or Solvent Cleaning 98068. |
-

Physical properties

- | | |
|---------------------|---|
| - Drying times 20°C | Touch dry 15-20 minutes
Hard Dry 3-45 minutes |
| - Force drying | Optimum heat resistance is obtained at the following cure cycles
- 2-4 Hours at 200°C
- 6-12 Hours at 175°C
- 12-16 Hours at 150°C |
| - Colour (dry film) | Black (other colours available on request) |
| - Gloss level | Matt finish |
| - Flashpoint | 27°C |



- Storage (5 - 25°C)	Stored in the original unopened containers. 12 months
----------------------	--

Packing	1 litre containers
----------------	--------------------

Safety precautions	For full details consult the material safety data sheets prior to use (MSDS). Comply with all local safety, disposal and transportation regulations.
---------------------------	--

Warranty	The information provided is to the best of our knowledge correct. However, we do not assume legal responsibility for use or reliance thereon. We disclaim all warranties expressed or implied including the fitness for a particular purpose. Data may be subject to modification without prior notice. Data sheets are revised every three years, please check validity.
-----------------	---

Issue 1 1st August 2011