

## TRANSCOAT 878 HR

### High Temperature Silicone Aluminium

**Product Description**                      A single component, silicone resin aluminium paint, based on a combination of silicon resin and aluminium pigment.

---

**Recommended Use**                        High temperature service such as stack and breeching.

---

- Characteristics**
- 100% silicone aluminium coating.
  - A heat resistance coating up to 600°C when applied over steel. Up to 400°C when applied over inorganic zinc Transcoat 95 or Transcoat 95 FT.
  - Self priming coating.
  - Good weather resistance.
- 

<b>Physical Data</b>	<b>Colour</b>	Aluminium
	<b>Gloss level</b>	Semi Gloss
	<b>Volume Solid</b>	Approx. 31%
	<b>Dry Film Thickness</b>	30 microns per coat
	<b>Number of Coat</b>	2
	<b>Theoretical Coverage</b>	10.3 sq.m/ltr for 30 microns
	<b>Temperature Resistance</b>	Continuous     : 538°C (dry) Intermittent    : 600°C (dry)
	<b>VOC</b>	329 g/ltr
	<b>Flash Point</b>	26°C
	<b>Shelf Life</b>	At least 12 months
	<b>Pack Size</b>	5 litres; 20 litres

---

**Surface Preparation**                      **Steel**  
 Dry abrasive blast in accordance with ISO - Sa 2.5 or SSPC - SP 10 "Near White". Blast to achieve a 25 microns anchor profile of as indicated with a Keane Tator Surface Profile Comparator.  
 Remove abrasive residue or dust from surface.

---

<b>Application Data</b>	<b>Application Methods</b>	
	Airless Spray	
	Nozzle Tip	0.38 - 0.53 mm (0.015 - 0.021 inch)
	Nozzle Pressure	10 MPa (approx. 1400 psi)
	Conventional Spray	
	Nozzle Tip	1.8 - 2.0 mm (0.071 - 0.079 inch)
	Nozzle Pressure	0.3 MPa (approx. 43 psi)
	Brush or Roller Only for touch up	
	<b>Mixing Ratio</b>	One component
	<b>Thinner</b>	Thinner Trans 620
	<b>Cleaner</b>	Thinner Trans 120
	<b>Surface Temperature</b>	Should be 10°C - 49°C, at least 3°C above the dew point to prevent condensation

## TRANSCOAT 878 HR High Temperature Silicone Aluminium

### Drying Time

Touch Dry	30 minutes at 25 <sup>0</sup> C, 20 minutes at 32 <sup>0</sup> C
Over Coating	16 hours at 25 <sup>0</sup> C, 12 hours at 32 <sup>0</sup> C
For Service	1 hour at 32 <sup>0</sup> C, followed by minimum 2 hours at 150 <sup>0</sup> C

---

### System Compatibility

Primer (operating temperature up to 400<sup>0</sup>C)

- Transcoat 95
- Transcoat 95 FT
- Transcoat SP 2005

For other suitable primers, please consult Transcoat Protective Coating.

---

### Safety Precaution

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use.

Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard.

Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

---

### Disclaimer

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.