

PLASCOTHERM 540 HEAT RESISTANT COATING

PRODUCT CODE: HRA 6

TECHNICAL DATA SHEET

Product Description	A single pack high temperature resistant modified silicone resin based coating													
Intended Uses	<ul style="list-style-type: none"> This product is recommended for stacks, furnaces, boilers, exhausts, jet engines and metal parts which operate at elevated temperatures. A high temperature resistant finish for maintenance and new construction 													
Features & Benefits	<ul style="list-style-type: none"> Durable finish with excellent decorative appearance No long term over-coating restrictions Resists high temperatures up to 540 °C. Excellent corrosion resistance when applied over an inorganic zinc primer 													
Product Information	Colour Appearance Volume solids Recommended DFT Recommended WFT Theoretical Spreading Rate VOC Flash point	Aluminium Gloss 10.8% 15 – 25 µm per coat 139 – 231 µm per coat 5.4 m ² /L at 20 µm DFT 755 g/L 24 °C												
Application Details	Mixing Method Thinner Cleaner Drying Time Application Environment	Ready for use, single pack. Mix with a mechanical mixer until homogeneous. If two coats are to be applied, allow 24 hours drying between coats. <u>Conventional spray:</u> Tip Size; 1.5-2.0mm, Nozzle pressure 2.8–4.2 bar (40-60 p.s.i.) <u>Brush or roller</u> – suitable (as supplied). A minimum of UNIVERSAL REDUCER (PUR 1) should be added if necessary to achieve optimum atomisation for spray application only. UNIVERSAL REDUCER (PUR 1) Touch dry: 6 h @ 23 °C Over coating: Min; 24 h Max; Indefinite This coating will air dry but must be heated to 300 °C for 60 minutes to obtain full cure before use. <table border="1"> <thead> <tr> <th>Surface Temperature</th><th>Ambient Temperature</th><th>Relative Humidity</th></tr> </thead> <tbody> <tr> <td>Min.: 10 °C</td><td>Min.: 10 °C</td><td>Min: 10%</td></tr> <tr> <td>Max.: 40 °C</td><td>Max.: 40 °C</td><td>Max: 75 %</td></tr> <tr> <td colspan="3">Or 3 °C above dew point</td></tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min.: 10 °C	Min.: 10 °C	Min: 10%	Max.: 40 °C	Max.: 40 °C	Max: 75 %	Or 3 °C above dew point		
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Min.: 10 °C	Min.: 10 °C	Min: 10%												
Max.: 40 °C	Max.: 40 °C	Max: 75 %												
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Storage and Packaging	Store away from direct sun, heat, open flames, sparks or severe cold. Shelf life : 12 months at 23 °C Packaging: Single pack: 5L													

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Surface Preparation	<p>All surfaces must be clean, dry and free from dust, dirt, oil, grease or any other contaminants. Remove oil, grease and dirt and any other contaminants with AQUASOLV DEGREASER (GR 1). Rinse thoroughly with clean water prior to blasting.</p> <p>MILD STEEL:</p> <ul style="list-style-type: none"> Preferred surface preparation is abrasive blast clean to Sa.2 ½ of the International standard ISO 8501 – 1:2007 to achieve an angular blast profile of 40 – 60 microns. In aggressive corrosive atmospheres prime with PLASCOZINC 1 PRIMER (PZI 233). Self-prime: must achieve a minimum temperature of 300 °C to be sintered into the metal. (Otherwise flash rusting may occur). Alternatively prepare steel by wire brushing to St.3 of the International standard ISO 8501 – 1:2007. This is not as effective and results in shorter maintenance free life. Should not be used on A grade steel (steel exhibiting millscale). Apply PLASCOTHERM 540 COATING (HRA 6) directly.
Application	<ul style="list-style-type: none"> Apply 2 coats of PLASCOTHERM 540 COATING (HRA 6) to suitably prepared steel at the recommended DFT. Allow 24 hrs drying between coats.
Caution	<ul style="list-style-type: none"> Surfaces should be painted at ambient temperature and allowed to dry for 24 hours before heat is applied otherwise blistering and bubbling will occur. This product only cures fully when heated to 300 °C. Do not use below or above the minimum or maximum temperature limits.
Safety Precautions	<ul style="list-style-type: none"> Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. Harmful if swallowed. Do not induce vomiting. Seek medical attention. Refer to Safety Data Sheet for complete information.
Shipping Weight	<p>UN Shipping No: 1263</p> <p>5 L - 5,086kg</p>

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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