



TECHNICAL DATA SHEET

STOKES HEAT RESISTING SILICONE ALUMINIUM PAINT

Reference AR002	Revision No 1	Revision Date 20 February 1996	Printed 15 September 2010	Page 1 of 2
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WWW.RJSTOKES.CO.UK MANUFACTURERS OF INDUSTRIAL, DECORATIVE & POWDER COATINGS Est 1899
Little London Road | Sheffield | S8 0UH | Tel: 0114 258 9595 | Fax: 0114 250 9836 | Email: sales@rjstokes.co.uk

Properties and Uses	<p>PROPERTIES</p> <p>Dries with a durable, bright, silver, lustrous finish. Affords protection against weather. Excellent heat resistance. Good resistance to water, dilute acids and alkalis. Excellent flexibility.</p> <p>USES.</p> <p>Stokes Heat Resisting Silicone Aluminium Paint is ideal for interior and exterior use on metal at operating temperatures up to 600°C (1000°F).</p> <p>NOTE:- Good weather resistance will not be achieved until the paint has been fully cured (i.e. stoved for 1 hour at 200°C) or the coating can be cured in service for a similar time and temperature.</p>
Technical Data	<p>TYPE. Silicone medium, pigmented with leafing aluminium.</p> <p>DRYING TIME / CURING TIME Surface dry 1 - 2 hours. Recoatable after 1 - 2 hours. Handleable after 2 hours. The coating needs to be cured at 200°C for at least 1 hour to achieve optimum cure.</p> <p>THEORETICAL SPREADING CAPACITY. Approx. 6 sq. metres per litre on smooth non-porous surfaces to achieve a dry film thickness of 15 microns.</p> <p>FLASH POINT. Between 21°C and 55°C. FLAMMABLE LIQUID.</p> <p>NON VOLATILE CONTENT. By volume 9 % nominal. By weight 16.7% nominal.</p> <p>THINNERS AND CLEANING SOLVENT. Stokes Thinners Ref. TH004.</p> <p>HEAT RESISTANCE. The heat resistance of this paint is of the highest order. It will withstand operating temperatures up to 600°C (1000°F).</p> <p>OIL RESISTANCE. Good resistance, when fully cured, to most hot and cold lubricating oils, mineral oils and cutting oils. Tests for suitability with any particular oil should be made before large scale application.</p> <p>LEAD CONTENT. Below 0.25% on the Dry Film.</p>
Stock Container Sizes	5 litre tins.
Processes	<p>PREPARATION. The surface to be painted must be clean, dry and free from grease, dust, dirt, rust, peeling or loose material or any other contamination. For maximum performance steel work should be blast cleaned. Where blast cleaning is impracticable, remove dirt, grease and chemical contamination. Chip, scrape and wire brush to remove all mill scale, rust or loose material. Please refer to Stokes Data Sheet Systems for Metal.</p> <p>NOTE:- Priming Paint should not be used under this product.</p> <p>FINISHING. For exterior durability a dry film thickness of at least 25 microns is required. On rough and blast cleaned surfaces it is necessary to have this thickness on the peaks of the profile. A lower film build would be acceptable for interior use..</p>



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Application	<p>BRUSH. Supplied ready for use.</p> <p>ROLLER. Supplied ready for use.</p> <p>DIPPING. Supplied ready for use.</p> <p>CONVENTIONAL SPRAY. Thin if necessary with Stokes Thinners Ref. TH004.</p> <p>AIRLESS SPRAY. Thin if necessary with Stokes Thinners Ref. TH004.</p> <p>ELECTROSTATIC SPRAY. Adjust conductivity of paint if necessary with Stokes Thinners Ref. TH009.</p>
Storage	<p>Use within 12 months of delivery. Keep in original containers until required for use. Partly used containers should be re-sealed securely and stored according to the recommended manner (See section 7 of Stokes Material Safety Data Sheet Ref. AR)</p>
Health and Safety	<p>THIS MATERIAL IS FLAMMABLE. REFER TO STOKES MATERIAL SAFETY DATA SHEET REF. AR FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROLS / PERSONAL PROTECTION AND DISPOSAL.</p>
Disclaimer	<p>The above information is for guidance only. It is given in good faith but without warranty. Users should first carry out their own trials to ascertain the suitability of the product for their intended purpose.</p> <p>This Data Sheet supercedes all previous Data Sheets supplied to you relating to this product. It contains important information which must be communicated to the user. The user must satisfy himself of the suitability of the product for the intended application and surface, as surface and application conditions are beyond the control of R.J.Stokes & Co Ltd. The user must also satisfy himself of the suitability of the product in circumstances other than those set out in this data sheet. The user should also maintain appropriate control procedures. Should further information be required, please contact our Technical Department.</p> <p>R.J.Stokes & Co. Ltd. employ a policy of continuous development and the technical data could be revised as a result of experience or new information becoming available.</p>