



# TECHNICAL DATA SHEET

## STOKES QD COMPLIANT POLYURETHANE FINISH

<b>Reference</b>	<b>Revision No</b>	<b>Revision Date</b>	<b>Printed</b>	<b>Page 1 of 2</b>
CU	2	30 September 2011	30 September 2011	

**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**

<b>Properties and Uses</b>	<p><b>PROPERTIES</b> Stokes QD Compliant Polyurethane Finish dries to provide a tough hard finish for metalwork and exhibits good resistance to water, alcohol, dilute acids and alkalis. Paints of this range are specially formulated to comply with the requirements of the Environmental Protection Act Process Guidance Note PG6/23(11).</p> <p><b>USES</b> Stokes QD Compliant Polyurethane Finish can be used on for the commercial vehicle market, industrial plant and general industrial metal fabrications where high quality durable gloss finish are required.</p>
<b>Technical Data</b>	<p><b>TYPE</b> Polyurethane modified alkyd containing carefully selected light fast pigments.</p> <p><b>DRYING TIME</b> Surface dry 2 - 4 hours to BS3900 Part C2 under normal conditions of temperature and humidity or this product can be force dried at 50°C for 30 minutes. Recoatable after 16 hours under normal drying conditions.</p> <p><b>THEORETICAL SPREADING CAPACITY</b> About 14 sq. metres per litre on smooth non-porous surfaces depending on the surface porosity and texture to achieve a dry film thickness of 35 microns.</p> <p><b>FLASH POINT</b> Between 21°C and 55°C. FLAMMABLE LIQUID.</p> <p><b>NON VOLATILE CONTENT</b> By volume 48% nominal. By weight 58% nominal.</p> <p><b>THINNERS AND CLEANING SOLVENT</b> If thinners are required for cleaning purposes use Stokes White Spirit Ref. TH010 or Stokes Xylene Ref. TH012</p> <p><b>HEAT RESISTANCE</b> Up to 150°C but will noticeably yellow above 80°C.</p> <p><b>LEAD CONTENT</b> Some paints within this range may contain lead based pigments. Please refer to the labels of the individual paint to identify lead containing products.</p>
<b>Stock Container Sizes</b>	<p>5 Litres. Other pack sizes available.</p> <p><b>COLOUR RANGE</b> Colours can be supplied by special arrangement.</p>
<b>Processes</b>	<p><b>PREPARATION</b> The surface to be painted must be clean, dry and free from grease, dust, dirt, rust and peeling or loose material. New, or unpainted surfaces should be primed using IP250 Buff Zinc Phosphate QD Primer.</p> <p><b>FINISHING</b> On new work - which has first been thoroughly primed and prepared - or where severe conditions are to be met; a three coat system is recommended to give the highest standard of finish. This consists of : 1 coat of Stokes Primer. 2 coats of Stokes Polyurethane Gloss Enamel. Allow overnight drying between each coat of topcoat. Rub down lightly with wet abrasive paper between coats.</p>



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<b>Application</b>	<p>BRUSH Supplied ready for use by brush.</p> <p>CONVENTIONAL SPRAY Supplied ready for use. Spraying pressure 55 - 65 p.s.i. Fluid tip size 1.8mm. Supplied ready for use.</p> <p>AIR ASSISTED AIRLESS SPRAY Supplied ready for use. Suggested air assisted spray pressure approx 500 - 1000 p.s.i. Recommened fluid tip size 9 - 11 thou.</p> <p>AIRLESS SPRAY AND HOT AIRLESS SPRAY Supplied ready for use. Suggested airless spray pressure approx. 750 - 1500 p.s.i Recommened fluid tip size 9 - 11 thou. Suggest temperature of paint for hot spray 30 - 50øC.</p>
<b>Storage</b>	<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. CU).</p>
<b>Health and Safety</b>	<p>THIS MATERIAL IS FLAMMABLE. REFER TO STOKES MATERIAL SAFETY DATA SHEET REF. CU FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROLS / PERSONAL PROTECTION AND DISPOSAL.</p>
<b>Disclaimer</b>	<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 &amp; 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 &amp; 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>