



# TECHNICAL DATA SHEET

## STOKES WATERBASED EPOXY FLOOR PAINT

<b>Reference</b>	<b>Revision No</b>	<b>Revision Date</b>	<b>Printed</b>	<b>Page 1 of 2</b>
WEFP	5	22 August 2001	3 April 2009	

**WWW.RJSTOKES.CO.UK MANUFACTURERS OF INDUSTRIAL, DECORATIVE & POWDER COATINGS Est 1899**  
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<b>Properties and Uses</b>	<p><b>PROPERTIES</b> Twin Pack Waterbased Epoxy Floor Paint. When fully cured the coating possesses good chemical resistance, producing a tough and durable finish with excellent abrasion and impact resistance together with excellent adhesion. This paint has a low odour.</p> <p><b>USES</b> Concrete Floor Paint for factories, garages and warehouses.</p>																
<b>Technical Data</b>	<p><b>TYPE</b> Epoxy/Polyamide resin system with carefully selected inert pigments and extenders. This material is free from chromate pigments.</p> <p><b>DRYING CHARACTERISTICS</b></p> <table><tr><td>Temperature</td><td>10°C</td><td>20°C</td><td>At lower temperatures,</td></tr><tr><td>Touch Dry</td><td>11 Hours</td><td>5 Hours</td><td>the dry time increases.</td></tr><tr><td>Hard Dry</td><td>24 Hours</td><td>9 Hours</td><td></td></tr><tr><td>Full Cure</td><td>7 Days</td><td>7 Days</td><td></td></tr></table> <p>Overcoating (Min) 24 Hours 9 Hours When curing at temperatures below 10°C the drying times will be increased, but in no circumstances should the paint be used at temperatures below 5°C.</p> <p><b>OVERCOATING</b> Can be overcoated with epoxy/polyamide coatings after 9 hours at 20°C.</p> <p><b>MIXING RATIO</b> Thoroughly mix 3 parts of Base with 1 part of Activator (by volume).</p> <p><b>POT LIFE</b> After mixing Base &amp; activator in the recommended proportions the paint will remain usable for up to 1.5 hours at 20°C.</p> <p><b>THEORETICAL COVERAGE</b> Approximately 8 square metres per litre to achieve a dry film thickness of 75 microns on smooth non-porous surfaces.</p> <p><b>FLASH POINT</b> Above 55°C.</p> <p><b>NON VOLATILE CONTENT</b> By volume 59% (nominal) when Base is mixed with Activator. By weight 71% (nominal)</p> <p><b>THINNERS AND CLEANING SOLVENT</b> Water.</p> <p><b>LEAD CONTENT</b> No Added Lead.</p> <p><b>COLOUR RANGE</b> Red Oxide. Dark Grey 18-B-25. Ash Grey 00-A-05. P.Green. White. Other colours by arrangement.</p>	Temperature	10°C	20°C	At lower temperatures,	Touch Dry	11 Hours	5 Hours	the dry time increases.	Hard Dry	24 Hours	9 Hours		Full Cure	7 Days	7 Days	
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<b>Stock Container Sizes</b>	4 and 20 Litre composite (Base plus Activator).																

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<b>Processes</b>	<p><b>PREPARATION</b></p> <p>The surface to be painted must be clean, dry and free from oil, grease, dust, dirt, peeling or loose material or any other contaminants. If the floor is contaminated with oil or grease etc this MUST be removed before attempting to paint. The use of solvents to remove oil or grease is normally satisfactory.</p> <p>When painting over old or power floated finished concrete it may be necessary to carry out a small trial to establish the suitability of the floor to accept the paint system.</p> <p>If there is any doubt then we would recommend using a floor plane, making sure that all dust is removed prior to painting.</p> <p><b>1ST COAT</b> - Dilute Stokes Waterbased Epoxy Floor Paint (Not Anti-slip Quality) approximately 6 parts by volume with 4 parts by volume of water. Apply an even coat of this blend by either brush or roller (preferably not a foam type roller) so as to both thoroughly wet and bind any pores of the concrete. This coat of paint both seals and stabilises the substrate. Allow the first coat to dry for at least 24 hours, 10°C or 9 hours, 20°C before attempting to apply the second coat. Ensure that the area to be painted is well ventilated; this will assist with the speed of drying of the paint.</p> <p><b>2ND COAT</b> - The second coat of the paint may be thinned up to 5% if necessary with water in order to ease application. Allow the paint to dry for at least 24 hours, 10°C before putting into service.</p> <p>On rough surfaces two finishing coats may be needed to achieve a solid finish.</p> <p>Note:- This paint will only follow the contours of the concrete, it will not level an uneven floor. Stokes Anti-Slip Waterbased Epoxy Floor Paint may be used as the second coat, but only thin slightly if necessary to ease application and ensure that the paint is mixed thoroughly before use and also during application so that the texture effect is uniform.</p> <p>The Anti-Slip Additive is available on request. 300 gm per 4 Litre Pack. 1.5 Kg per 20 Litre Pack.</p> <p>Stokes Waterbased Epoxy Floor paint may also be applied over either our Chlorinated Rubber Floor Paint or our Polyurethane Floor Paint without encountering any re-coating problems.</p>
<b>Application</b>	<p><b>MIXING</b></p> <p>Stir the base component thoroughly, then add the activator and continue mixing until the product is uniform throughout.</p> <p><b>BRUSH/ROLLER</b></p> <p>When mixed in the correct ratio, the product is ready for use. Thin with water if necessary to ease application.</p> <p><b>SURFACE TEMPERATURE</b></p> <p>Minimum 5°C Maximum 30°C The surface temperature must also be at least 3°C above dew point. Relative humidity up to 90%</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: WEFP).</p>
<b>Health and Safety</b>	<p>REFER TO STOKES MATERIAL SAFETY DATA SHEET REF: WEFP 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>