

WWW.RJSTOKES.CO.UK MANUFACTURERS OF INDUSTRIAL, DECORATIVE & POWDER COATINGS Est 1899

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<p>Properties and Uses</p>	<p>PROPERTIES These coatings cure to produce a high degree of chemical resistance, hardness, toughness and electrical insulation.</p> <p>USES Epoxide coatings are used for decoration and protection against chemicals (liquid or in corrosive atmosphere), salt water, solvents etc. Also for re-surfacing vitreous enamelled baths.</p>									
<p>Technical Data</p>	<p>TYPE The coating is based on a low molecular weight epoxide resin cured with amine adduct in a carefully selected blend of solvents and suitably pigmented.</p> <p>DRYING TIME 1. Surface dry BS3900 Part C2 within one hour. 2. Print free - overnight, under normal conditions of temperature and humidity. 3. Fully cured to maximum chemical and solvent resistance in 7 days under normal conditions of temperature and humidity. Can be recoated after 4 hours. 4. Full cure can be affected quickly by stoving for « to 1 hour at 100øC to 120øC. 5. Resistant to hot water (50øC) within 72 hours air drying at ambient temperature.</p> <p>THEORETICAL SPREADING CAPACITY Approximately 17 - 19 sq. metres per litre of two pack mixture, on smooth non-porous surfaces to achieve a dry film thickness of 25 microns.</p> <p>FLASH POINT Below 21øC. HIGHLY FLAMMABLE LIQUID.</p> <p>NON VOLATILE CONTENT</p> <table border="0"> <thead> <tr> <th></th> <th>White</th> <th>Curing Agent.</th> </tr> </thead> <tbody> <tr> <td>By volume</td> <td>58% nominal.</td> <td>32% nominal</td> </tr> <tr> <td>By weight</td> <td>47% nominal.</td> <td>39% nominal</td> </tr> </tbody> </table> <p>THINNER AND CLEANING SOLVENT Stokes Epoxy Thinner Ref. TH042.</p> <p>HEAT RESISTANCE White - Will tend to go yellow above 80øC.</p> <p>CHEMICAL RESISTANCE Fully cured two pack Epoxy Coatings will withstand :- 1. Immersion in :- Mineral oils, *Fresh water, sea water. Dilute acids, for example 10% acetic, hydrochloric, phosphoric, sulphuric and nitric. Aldehydes, for example formaldehyde, acetaldehyde. Dilute alkalis, for example 10% sodium hydroxide, ammonium hydroxide. * Not recommended for surfaces in contact with drinking water.</p> <p>2. Splashing with :- Alcohols, for example methyl alcohol, ethyl alcohol, isopropyl alcohol. Aliphatic Hydrocarbons, for example white spirit, paraffin, fuel oil, lubricating oils. Vegetable oils or animal fats. Chlorinated solvents, for example carbon tetrachloride, trichloroethylene. Ketones, for example acetone, methyl acetate, ethyl acetate. Aromatic hydrocarbons, for example benzene, toluene, xylene. Esters, for ex</p>		White	Curing Agent.	By volume	58% nominal.	32% nominal	By weight	47% nominal.	39% nominal
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<p>Stock Container Sizes</p>	<p>Base :- 3 litres in 5 litre tin and « litre in 1 litre tin. Curing Agent :- 1« litre in 2« litre tin & 250 ml tins.</p>									

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<p>Processes</p>	<p>PREPARATION Surfaces must be scrupulously clean, dry, free from grease, dust, dirt, rust, peeling material or any other contamination. See stokes Data Sheet Systems for Metal.</p> <p>MIXING Thoroughly mix 2 parts base ref. DR001 and 1 part epoxy adduct Ref. DR002, by volume. Allow to stand for at least « hour before application.</p> <p>FINISHING 1 Two coats of DR001/DR002 Two Pack Epoxy Coating are recommended to produce a first class chemical resistant finish. 2 When maximum corrosion resistance is required the full painting system should be: 1 coat Twinpack Epoxy Zinc Phosphate Primer, 1 coat DR008/DR002 Two Pack Epoxy Coating Primer/Undercoat 2 coats DR001/DR002 Two Pack Epoxy Coating. Allow each coat to cure before applying the next coat. See Technical Data Sheets for various Primers listed above.</p>
<p>Application</p>	<p>CONVENTIONAL SPRAY Supplied ready for use. If necessary thin with Stokes Epoxy Thinners Ref. TH042.</p> <p>AIRLESS SPRAY If necessary thin with Stokes Epoxy Thinners Ref. TH042.</p> <p>ELECTROSTATIC SPRAY If necessary thin with Stokes Epoxy Thinners Ref. TH042.</p>
<p>Storage</p>	<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. DRFC).</p>
<p>Health and Safety</p>	<p>THIS MATERIAL IS HIGHLY FLAMMABLE. REFER TO STOKES MATERIAL SAFETY DATA SHEET REF. DRFC FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROLS / PERSONAL PROTECTION AND DISPOSAL.</p>
<p>Disclaimer</p>	<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>