



TECHNICAL DATA SHEET

STOKES TWO PACK EPOXY COATING WHITE PRIMER/UNDERCOAT

Reference DRP	Revision No 1	Revision Date 26 June 1997	Printed 15 January 2008	Page 1 of 2
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Properties and Uses	<p>PROPERTIES These coatings cure to produce a high degree of chemical resistance, hardness, toughness and electrical insulation.</p> <p>USES. Epoxy coatings are used for decoration and protection against chemicals (liquid or in corrosive atmosphere), salt water, solvents etc.</p>									
Technical Data	<p>TYPE. This coating is based on a low molecular weight epoxide resin cured with an amine adduct in a carefully selected blend of solvents and suitably pigmented.</p> <p>DRYING TIME. 1. Surface dry BS3900 Part C2 in two hours. 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.</p> <p>THEORETICAL SPREADING CAPACITY. Approximately 19 sq. metres per 1 litre of two pack mixture to achieve a dry film thickness of 25 microns (1 thou.), on smooth non-porous surfaces. Varies according to surface profile.</p> <p>FLASH POINT. Below 21øC. HIGHLY FLAMMABLE LIQUID.</p> <p>NON VOLATILE CONTENT.</p> <table><tr><td></td><td>Base</td><td>Curing Agent.</td></tr><tr><td>By volume</td><td>53% nominal.</td><td>31% nominal</td></tr><tr><td>By weight</td><td>73% nominal.</td><td>39% nominal</td></tr></table> <p>Thinners and Cleaning Solvents. Stokes Epoxy Thinners 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 :-</p> <ol style="list-style-type: none">Immersion in Mineral oils, *Fresh water, sea water. Dilute acids, for example 10% acetic, hydrochloric, phosphoric, sulphuric, nitric. Aldehydes, for example formaldehyde, acetaldehyde. Dilute alkalis, for example 10% sodium hydroxide, ammonium hydroxide. * Not recommended for surfaces in contact with drinking water.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 example methyl acetate, ethyl acetate. <p>COLOUR RANGE. White.</p>		Base	Curing Agent.	By volume	53% nominal.	31% nominal	By weight	73% nominal.	39% nominal
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Stock Container Sizes	<p>DR008 Base :- 3 litres in 5 litre tin. DR002 Curing Agent :- 1 litre containers.</p>									

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Processes	<p>PREPARATION Surfaces must be scrupulously clean, dry, free from grease, dust, dirt, rust and peeling material or any other form of contamination. See Stokes Data Sheet Systems for Metal.</p> <p>MIXING. Thoroughly mix 3 parts base (Ref. DR008) with 1 part curing agent (Ref. DR002), by volume. Allow to stand for at least 30 minutes before application.</p> <p>FINISHING. Apply one coat of the mixed material and allow to dry for 4 - 24 hours before recoating with finishing coats i.e. Stokes Two Pack Epoxy Coating Ref. DR001/DR002 System.</p>
Application	<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 and adjust conductivity of paint if necessary with Stokes Thinner 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. DRFC).</p>
Health and Safety	<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>
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>