



TECHNICAL DATA SHEET

STOKES CHLORINATED RUBBER PAINT

Reference
CH

Revision No
3

Revision Date
20 August 1999

Printed
15 January 2008

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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

PROPERTIES

Stokes Chlorinated Rubber Paint is formulated to withstand aggressive interior or exterior conditions. The resin system gives outstanding protection against severe chemical attack. Since it is oil free it has good resistance to fresh and salt water, mould and fungus growth.

Stokes Chlorinated Rubber Paint is non flammable when dry. In the presence of fire it will not ignite and hence does not contribute to the spreading of flames along any surface to which it is applied.

USES

Stokes Chlorinated Rubber Paint is formulated to protect the following materials :- Iron and Steel, non-ferrous metals, concrete, plaster, brickwork and wood. Properly applied it is suitable for use in humid conditions and on surfaces subject to dilute acid or acid fume attack. Furthermore, it is ideal for the protection of water-immersed surfaces, such as garden ponds and swimming pools, (although not for drinking water), provided the temperature of the water remains below 43°C (110°F). It also gives excellent protection against a wide range of chemical and aqueous solutions. As a floor paint Stokes Chlorinated Rubber Paint provides a hard wearing chemical resistant coating. However, where prolonged resistance to strong alkalis, hydrocarbon solvents or vegetable oils is required, a two-pack epoxy-resin based paint is preferable. Chlorinated Rubber Paint is not suitable for use on Bitumen, Asphalt or Rock Asphalt floors or coatings.

NOTE :- In mildly corrosive conditions, or for normal exterior exposures, there is no advantage to be gained from using Stokes Chlorinated Rubber Paint in preference to Stokes Gloss Enamel Paint.



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Technical Data

TYPE

Plasticised Chlorinated Rubber resin system containing chemical resistant pigments and extenders.

DRYING TIME

Approximately 1 hour to BS3900 part C2 under normal conditions of temperature and humidity. Recoatable by brush after 24 hours.

THEORETICAL SPREADING CAPACITY

About 13 sq. metres per litre on smooth non-porous surfaces to achieve a dry film thickness of approximately 1.0 mil (25 microns).

FLASH POINT

Between 21°C and 55°C. FLAMMABLE LIQUID.

NON VOLATILE CONTENT

By volume 33% nominal.

By weight 52% nominal.

THINNERS AND CLEANING SOLVENT

Stokes Thinners Ref. TH004.

HEAT RESISTANCE

Up to 65°C for dry heat or 43°C for surfaces immersed in water.

CHEMICAL RESISTANCE

When properly applied Stokes Chlorinated Rubber Paints will withstand :-

1. 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.

2. Splashing With :-

Alcohols, for example methyl alcohol, ethyl alcohol, isopropyl alcohol.

Aliphatic hydrocarbons, for example white spirit, paraffin, fuel oil, lubricating oils.

They are NOT recommended where resistance is required to :-

Vegetable oils or animal fats.

Chlorinated solvents, for example carbon tetrachloride, trichloroethylene.

Ketones, for example acetone, methyl ethyl ketone.

Esters, for example butyl acetate, ethyl acetate.

Aromatic hydrocarbons, for example benzene, toluene, xylene.

LEAD CONTENT

Below 0.15%

COLOUR RANGE

A select range of colours is available from stock. Shades to meet customers special requirements can be supplied by arrangement.

Stock Container Sizes

1 and 5 litre tins.

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<p>Processes</p>	<p>ALSO SEE STOKES TECHNICAL DATA SHEET 'CHLORINATED RUBBER PAINT ON CONCRETE FLOORS' REF: CHPCF FOR MORE DETAILED INFORMATION.</p> <p>PREPARATION The surface to be painted must be clean, dry and free from grease, dust, dirt and peeling or loose material or any other contamination.</p> <p>UNPAINTED IRON AND STEEL If a high standard of protection is required then first apply one or two coats of one of Stokes High Build Zinc Phosphate Primers: IP001 Red Oxide IP002 Grey IP004 Black IP145 White.</p> <p>PLASTER, CONCRETE, BRICKWORK, ETC. Allow to dry out completely. Surfaces must be free from efflorescence. Clean down to remove dust, dirt, plaster splashes etc. Cut out and make good all cracks and other imperfections. Allow to dry out. Concrete floors or rendered surfaces in storage pits or tanks must be stable and free from cracks or crazing. Stokes Chlorinated Rubber Paint should be thinned, especially when it is applied to powdery, dusting, but otherwise sound, concrete surfaces. Such surfaces should first be brush cleaned as far as possible. The first coat of paint must be thinned in the ratio of 60% paint to 40% Stokes Thinners Ref. TH004. See separate Technical Data Sheet 'Painting of concrete floors'. Application by brush is the preferred method, so as to both thoroughly wet and bind any remaining loose dust, and deeply soak into the surface. This provides a self sealing and stabilising coating. Two coats should be applied. If necessary the second coat may be thinned 10% to 20% with Stokes Thinners TH004 for ease of application. Below the ground construction must incorporate an effective damp proof membrane.</p> <p>WOODWORK The woodwork must be dry. Clean to remove dirt, grease and chemical contaminants. Rub down or scrape smooth, and dust off. Apply a thin coat of Stokes Knotting to all knots and allow to harden. See Stokes Systems for Wood. The first coat of Chlorinated Rubber Paint must be thinned in the ratio of 75% paint to 25% Stokes Thinners Ref. TH004.</p> <p>PREVIOUSLY PAINTED SURFACES Stokes Chlorinated Rubber</p>
<p>Application</p>	<p>BRUSH Thin if necessary with Stokes Thinners Ref. TH004.</p> <p>DIPPING Thin as necessary with Stokes Thinners Ref. TH004.</p> <p>CONVENTIONAL SPRAY The paint needs to be thinned by at least 30% by volume of Stokes Thinner TH004 to prevent 'cob-webbing'. Care needs to be taken that this large addition of thinner does not cause lifting problems over previous coats of paint which are not Chlorinated Rubber based products. Because of the high dilution factor dry film weights will be lower than those achieved by brush application. The result will be that the chemical resistance aspects will not be as good as application by brush unless multi-coats are applied and each coat is allowed to dry thoroughly before the next.</p> <p>AIRLESS SPRAY Refer to Stokes Technical Service Dept.</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 MSDS CH)</p>
<p>Health and Safety</p>	<p>THIS MATERIAL IS FLAMMABLE. REFER TO STOKES MATERIAL SAFETY DATA SHEET REF. CH FOR FULL DETAILS OF FIRST AID, FIRE FIGHTING MEASURES, ACCIDENTAL RELEASE, HANDLING, EXPOSURE CONTROL / PERSONAL PROTECTION AND DISPOSAL.</p>



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Disclaimer

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.

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.

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.