

March 2018

**PRODUCT DATA SHEET**

<b>Product</b>	G-Shield (Electro Smog Shielding Paint)
<b>Type</b>	Based on a high-quality water-borne, cross-linking acrylic resin containing Natural Exfoliated Graphite.
<b>Intended Use</b>	Provides reliable shielding from high-frequency electromagnetic fields and low-frequency electrical fields.
<b>Special Features</b>	G-Shield is solvent free with low emissions and has lasting corrosion resistance as the paint contains no metal particles, the carbon in the paint prevents formation of corrosion on metal surfaces. G-shield has incremental shielding attenuation (up to -57 dB for one layer of coating) for the frequency range up to 20 GHz and higher, including the 5G frequency spectrum. The effectiveness of our coatings was tested at NPL - the national measurement standards laboratory for the UK.
<b>Preparation</b>	The surface must be clean and free from grease and wax. If already painted, remove flaking paint by scraping or use Rustins Strypit Paint and Varnish Stripper, remove all rust with a scraper or Rustins Rust Remover.
<b>Application</b>	Stir well before use until there is no sediment in the bottom of the can. Apply liberally with a synthetic fibre bristle brush. Floor coverings can be laid directly on the shielding coverings. When applying large area shielding coatings, grounding with self-adhesive copper strips up to 1 inch wide is recommended
<b>Coats</b>	Two coats will provide adequate shielding and coverage, but three coats are recommended for improved durability. For walls and ceilings up to three layers of coating are possible.
<b>Drying Time</b>	Touch dry in approximately 30 minutes depending upon the temperature and humidity.
<b>Re-coating Time</b>	Can be recoated after a minimum of three hours. Protect from rain at least for 24 hours
<b>Application Temp.</b>	Do not apply at temperatures below 10°C or in conditions of high humidity.
<b>Coverage</b>	1 litre will cover approximately 5-6 sq m per coat.
<b>Maintenance</b>	-
<b>Compatibility</b>	Can be applied under all commonly used emulsion paints and underneath clean organic plasters.
<b>Settlement</b>	<b>STIR WELL BEFORE USE.</b>
<b>Shelf-life/Storage</b>	Store in a cool place. Keep away from children. Close the open paint jar tightly after use and store it in a cool place for no more than 12 months. Protect from frost.

<b>Hazards</b>	May produce an allergic reaction. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. IF ON SKIN: Gently wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear protective gloves.
<b>Clean-Up</b>	Remove as much paint as possible and return to this container. Brushes should then be cleaned immediately with water. If the brushes become hard, they may be cleaned with Rustins Brush Restorer or Rustins Cellulose Thinners.  Disposal: Some local authorities have special facilities for disposal of waste paints/varnishes /coatings. Do not empty product into drains or watercourses.
<b>Sizes</b>	250ml 500ml 1 L 2.5 L