

# Rustins

# G SHIELD

ELECTRO SMOG SHIELDING PAINT

Provides reliable shielding from high-frequency electromagnetic fields and low-frequency electrical fields.

- For use indoors and outdoor use
- Breathable, low-emissions, solvent-free
- Lasting corrosion resistance, contains no metal
- Can be applied under all commonly used emulsion paints

**BLACK**  
CONTAINS GRAPHITE

## STIR WELL BEFORE USE

Rustins G-Shield is based on a high-quality water-borne, cross-linking acrylic resin containing Natural Exfoliated Graphite to provide reliable shielding from high-frequency electromagnetic fields and low-frequency electrical fields. 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 the formation of corrosion on metal surfaces. Can be applied under all commonly used emulsion paints and clean organic plasters. 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 United Kingdom.

### Preparation

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 scrapper or Rustins Rust Remover.

### Application

Stir well before use until there is no sediment in the bottom of the can. Do not apply at temperatures below 10°C or in conditions of high humidity. Apply liberally with a synthetic fibre bristle brush. Two coats will provide adequate shielding and coverage but three coats are recommended for improved durability.

Walls and ceilings: up to three layers of coating are possible. Floor coverings can be laid directly on the shielding coverings. It can be used directly under clean organic plasters.

When applying large-area shielding coatings, grounding with self-adhesive copper strips up to 1 inch wide is recommended.

### Re-coating Time

The paint will be touch dry in approximately 30 minutes depending upon the temperature and humidity and can be re-coated after a

minimum of three hours. Protect from rain at least for 24 hours

### Coverage

1 litre will cover approximately 5-6 sq m per coat.

### Cleaning

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 (pollution prevention)

Some local authorities have special facilities for disposal of waste paints/varnishes /coatings. Do not empty product into drains or watercourses.

### Storage

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.

*Natural Exfoliated Graphite by Graphene Star.*



## HEALTH AND SAFETY

Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-o, surfactant #2, ammonia solution #2, butyl diglycol, 1,6 dihydroxy-2,5-dioxahexane. 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.

UFI: UDPE-Q0EJ-Y004-4PKC

Please refer to Product Data Sheet for full information at [www.rustins.co.uk](http://www.rustins.co.uk)

For information on Rustins' products visit our website at [www.rustins.co.uk](http://www.rustins.co.uk) or contact us at Rustins Ltd, Waterloo Road, London, NW2 7TX United Kingdom  
[rustins@rustins.co.uk](mailto:rustins@rustins.co.uk) Tel: +44 (0)20 8450 4666

ROI: Excellence Ltd, 43 Grange Parade, Dublin D13 Y860 Ireland. Tel: +353 1 - 832 3300



EU limit value for this product (cat A/h):  
30g/l (2010).  
This product contains max 22g/l VOC

**1 Litre e**