



Rustins

Expert finishes for
wood & metal

**SMART INSULATING
PAINTS**



GRAPHENE STAR

Natural Exfoliated Graphite



MORE THAN JUST A PRIMER

G Insulate is an energy saving solution that can immediately address the urgent need for more energy efficient buildings and homes.

A collaboration between Rustins Ltd and Graphene Star has led to the development of a new primer – G Insulate. The primer turns walls and ceilings into surfaces that save energy for you.

This new primer puts the UK at the forefront of paint innovation.

G Insulate is different to previous generation primers that generally made use of either ceramic or glass microspheres mixed into the paint product. G Insulate makes use of a new generation of carbon materials and their world-class thermal and reflective properties.

In December 2022, tests conducted by Colliers PBC, a UK independent building and project consultancy, proved the efficacy of G Insulate in transforming buildings to be more energy efficient. The test showed that "G Insulate can reduce energy consumption by up to 21%".

Colliers PBC also noted in their report that "decreases in the outdoor temperature proportionately increases the effectiveness of G Insulate in maintaining a stable internal temperature."

Apply liberally with a synthetic fibre bristle brush, roller or spray gun. The paint should be applied evenly. To ensure a reliable coating, it is recommended to apply two coats of G INSULATE

- The properties of G Insulate stop temperature loss through the painted surfaces by reflecting heated or cooled air back into the room, whilst remaining breathable.
- G Insulate is a primer that becomes an invisible, embedded energy saving solution once painted over, using any standard acrylic paint
- G Insulate transforms internal walls and ceilings into structures that enable rooms to reach a set temperature quicker and retain that temperature for longer.
- The environmental manufacturing credentials of the primer include: processes free of emission, environmental pollution and no hazardous chemicals usage.

G Insulate, just like a traditional primer, can be painted or wallpapered over with whatever colour or paper design aesthetic the user wants.

Using G Insulate couldn't be easier. The only thing required is the paint, a brush or roller, and, of course, your top-coat paint of choice. It is quick and easy to apply and dries within 30 minutes.

G Insulate contains natural graphite and has no solvents or toxins, meets all UK safety and health standards, and has low VOC.

The properties of the paint, mean that during summer months if air conditioning is used, rooms reach the desired temperature quicker, and the temperature is maintained more effectively because the paint reflects the cooled air back into the room.



Whether it is the winter or summer months, with G Insulate rooms and buildings are energy efficient, reducing energy bills and carbon emissions throughout the year.

- Engineered to outperform traditional thermal insulation paints
- Delivers a fast financial payback and then continuous savings on energy bills.
- Eco-friendly: no toxins, hazardous chemicals or emissions
- Uses the most advanced paint technology
- Delivers energy efficiency in both summer and winter months. Rooms reach a desired temperature, whether this is heating or cooling, quicker and this temperature is maintained more effectively as the heated or cooled air is reflected back into the room.



Scan for more information
on G Insulate

- Independently validated in terms of performance (lowers heating or cooling energy consumption by up to 21%),
- Easy to use (no mixing, no restrictions on design or colour aesthetics)
- Adaptable across multiple surfaces (plaster, concrete, wallpaper, paint)
- Breathable



Natural Exfoliated Graphite by Graphene Star
www.graphene-star.com