

# GRAPHITE POWDER

## UNREACTIVE PIGMENT POWDER FOR EPOXY SYSTEMS

- Provides black colouration to solvent-free epoxy systems
- Designed to be added in small quantities directly into mixed systems
- Suitable for use with Gurit multi-purpose and laminating systems
- Solvent-free

### INTRODUCTION

**Gurit graphite powder is an unreactive pigment designed primarily to give black colouration to solvent free epoxy coating and adhesive systems.**

Being finely dispersed and giving high opacity, graphite powder can be added in small quantities to mixed resin-hardener systems. Care should be taken with black epoxy systems exposed to direct sunlight as the dark-coloured epoxy will absorb more heat than normal, which could take the temperature of the system above its T<sub>g</sub>, causing it to soften.

## PRODUCT INFORMATION

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### AVAILABILITY

The product is available in a number of formats as shown in the table below. Please contact your local customer support representative for more information.

Pack size	Black
0.5KG	A235-002

### PRODUCT DETAILS

<b>Composition:</b>	A finely milled high purity synthetic graphite powder.
<b>Appearance:</b>	Fine black powder
<b>Particle Size:</b>	60 microns
<b>Particle Density:</b>	Particles absorb resin

### TRANSPORT & STORAGE

The product should be kept in securely closed containers during transport and storage. Adequate long term storage conditions will result in a shelf life of 2 years from the date of manufacture. Storage should be in a warm dry place out and containers should be firmly closed.

COMPONENT	UNITS	
Graphite Powder	months	24

## HEALTH AND SAFETY

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The following points must be considered:

1. Skin contact must be avoided by wearing protective gloves. Gurit recommends the use of disposable nitrile gloves for most applications. The use of barrier creams is not recommended, but to preserve skin condition a moisturising cream should be used after washing.
2. Protective clothing should be worn when mixing, laminating or sanding. Contaminated work clothes should be thoroughly cleaned before re-use.
3. Eye protection should be worn if there is a risk of resin, hardener, solvent or dust entering the eyes. If this occurs flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention.
4. Ensure adequate ventilation in work areas. Respiratory protection should be worn if there is insufficient ventilation. Solvent vapours should not be inhaled as they can cause dizziness, headaches, loss of consciousness and can have long term health effects.
5. If the skin becomes contaminated, then the area must be immediately cleansed. The use of resin-removing cleansers is recommended. To finish, wash with soap and warm water. The use of solvents on the skin to remove resins etc must be avoided.  
Washing should be part of routine practice:
  - before eating or drinking
  - before smoking & vaping
  - before using the lavatory
  - after finishing work
6. The inhalation of sanding dust should be avoided and if it settles on the skin then it should be washed off. After more extensive sanding operations a shower/bath and hair wash is advised.

### APPLICABLE RISK & SAFETY PHRASES

Gurit produces a separate full Safety Data Sheet for all hazardous products. Please ensure that you have the correct SDS to hand for the materials you are using before commencing work.

## NOTICE

All advice, instruction or recommendation is given in good faith but the selling Gurit entity (the Company) only warrants that advice in writing is given with reasonable skill and care. No further duty or responsibility is accepted by the Company. All advice is given subject to the terms and conditions of sale (the Conditions) which are available on request from the Company or may be viewed at Gurit's Website: [www.gurit.com/terms-and-conditions.aspx](http://www.gurit.com/terms-and-conditions.aspx)

The Company strongly recommends that Customers make test panels in the final process conditions and conduct appropriate testing of any goods or materials supplied by the Company prior to final use to ensure that they are suitable for the Customer's planned application. Such testing should include testing under conditions as close as possible to those to which the final component may be subjected. The Company specifically excludes any warranty of fitness for purpose of the goods other than as set out in writing by the Company. Due to the varied nature of end-use applications, the Company does, in particular, not warrant that the test panels in the final process conditions and/or the final component pass any fire standards.

The Company reserves the right to change specifications and prices without notice and Customers should satisfy themselves that information relied on by the Customer is that which is currently published by the Company on its website. Any queries may be addressed to the Technical Services Department.

Gurit is continuously reviewing and updating literature. Please ensure that you have the current version by contacting your sales contact and quoting the revision number in the bottom left-hand corner of this page.

## TECHNICAL CONTACT INFORMATION

For all other enquiries such as technical queries:

Telephone + 44 1983 828000 (08:30 – 17:00 GMT)  
Email [technical.support@gurit.com](mailto:technical.support@gurit.com)

## 24-HOUR CHEMICAL EMERGENCY NUMBER

For advice on chemical emergencies, spillages, fires or exposures:

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