



SEDE LEGALE e STABILIMENTO  
Via del Lavoro, 20  
31039 Riese Pio X (TV) – Italia  
Tel.: +39 0423 755 547

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## **ELI40945H001 EPO NERO OP 25G AG**

Epoxy paint is a thermosetting powder coating for indoor purposes.

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### **Fields of application**

For metal office furniture, electric appliances, home accessories, switchboards household appliances, water pumps and any metal object exposed to high chemical stress.

### **Technical specifications**

Surface aspect (finish): Smooth

Application: TS - Tribosystem/Corona

Colour: Black

Substrate: Iron/Steel

Density: 1,35-1,6 gr/cm<sup>3</sup>

Gloss (60°): 25 +/- 5 Gloss

ISO 2813

Impact test: >20 cm/Kg ASTM D 2794

Curing conditions: 180°C @ 20' (object temperature)

Theoretical yield: multiply the average of the specific gravity by the requested thickness in microns. The obtained value is the consumption in grams per square meters.

### **Particle size distribution**

The average particle size (d50) of powder coatings determined using the LASER method is normally between 30 and 40 microns. Special particle size distributions are available upon request, depending on the needs.

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The characteristics of the product, such shine, colour and finishing may vary based on the application and polymerization conditions.

Please feel free to contact us, should you use it in direct flame polymerization furnaces.

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### **Chemical-physical characteristics**

All tests were carried out in a laboratory under controlled standard conditions, using panels made from an AA 5005-H24 alloy for mechanical tests; while corrosion tests were carried out on AA 6060 alloy panels.

### **Mechanical tests**

Deep drawing ISO 1520 - PASS 5mm

Bending ISO 1519 - PASS 5mm



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Impact resistance ISO 6272 - PASS 2.5Nm

Pencil hardness ISO 15184 - H-2H

### Corrosion resistance

Salt spray 250h: no corrosion, no film detachment

Humidistat and immersion trials in distilled water 250h: no blistering and loss of shine

### Chemical resistance:

good regarding bases and acids diluted (10%) at room temperature for 20 days.

### Preparation of the surface - Pretreatment

Before coating, remove grease, oil, rust and any other material that might cause adhesion loss of the product to surfaces.

A suitable chemical conversion is recommended based on the material to coat.

### Application

Do not mix this product with other powders in order to avoid possible incompatibility problems. For metallic effect powders we suggest to work on a spray-to-waste basis as their metallization is obtained by means of a dry-blend process of components with different chromatic aspects and specific weights. As a result of different coating processes and, if any, of overspray recycling methods, the final metallic effect might present substantial differences in colour and aspect from the initial standard.

For all metallic effect powders the corona application is recommended.

Metallic effect coatings are generally not scratch resistant. We recommend to handle such objects with care.

We recommend a film thickness between 60 and 90 microns. For yellow, orange and red coatings a film thickness between 100 and 120 microns is recommended.

### Storage

The product stored in dry conditions at temperatures lower than 30°C remains stable for at least 12 months; please check the product if you wish to use it after its expiry date.

### Additional Notes

Chemicals and/or home cleaning products may alter the look of the coating on the surface. Please test it in advance.

For specific enquiries, please do not hesitate to contact us.

### Safety

Read and check the safety data sheet before use.



Bullcrem Lack Srl

P.IVA, C.F. e Reg. Imprese TV 03951000243 – Iscrizione R.E.A. di Treviso n. 373595 – Capitale Sociale 500.000,00 Euro int. Vers.

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The information hereby provided are the result of our experience and shall be subject to review. Data provided fall within the normal scope of the product characteristics and refer to specific materials only.

Bullcrem Lack may not foresee all the variations to the final use, hence they can not provide any guarantee and shall accept no responsibility connected to the use of the aforementioned information.

For further details please get in touch with our R&D Dept.