



BULLCREM LACK

POWDER COATINGS

SEDE LEGALE e STABILIMENTO

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

Technical Data Sheet

V. n°1/2017

ELI49005H001 EPO NERO OP 20G AG 9005

Epoxy paint is a thermosetting powder coating for indoor purposes.

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.
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Technical specifications

- Surface aspect (finish): Smooth
 - Application: Tribosystem/Corona
 - Colour: Black
 - Substrate: Iron/Steel
 - Density: 1,35-1,6 gr/cm³
 - Gloss (60°): 20 +/- 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.
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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.

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.



Bullcrem Lack Srl

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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

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.

The properties of the product, such as the shine, the colour and the finish may vary based on the application and polymerization conditions.

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 since they could be incompatible.
- Coat using either a manual or an automatic Tribo/Corona gun.



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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.
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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.