



**BULLCREM LACK**

POWDER COATINGS



STABILIMENTO E SEDE LEGALE

Via del Lavoro, 20 - 31039 Riese Pio X (TV) - Italy

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## Technical Sheet

Version No. 1 / 2023

### EPZ108080001 EPO GRIGIO PRIMER ZINCANTE

Thermosetting powder coating composed of epoxy resins, hardeners and additives.

Zinc metal powder, the main component of zinc primer, gives excellent protection against corrosion of ferrous metal surfaces.

#### Fields of use

- The product was developed as an anti-corrosion primer of ferrous metal surfaces as it creates a protective barrier against the action of chemicals, and natural agents, such as moisture.
- Applying our ideal "topcoat" gives the item aesthetically enhanced qualities.

#### Product specifications

- Appearance: Smooth
- Application: Tribo/Corona
- Colour: gray
- Substrate: Iron/Steel
- Density: 2,7-2,9 gr/cm<sup>3</sup>
- Gloss (60°): 65 +/- 5 Gloss  
ISO 2813
- Polymerization condition: 180°C at 20'  
(Effective on the part) when used as a finishing coat- See "Product Notes" section for more information.
- Theoretical yield: multiply the average specific weight by the required thickness in microns.  
The value obtained is the consumption in grams per square meter

#### Granulometry

The average particle size(d50) of powder coatings determined using the LASER method is normally between 35 and 45 microns. Special particle size distributions can be made upon request, depending on various requirements.



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P.IVA, C.F. e Reg. Imprese 03951000243 – Iscrizione R.E.A. di Treviso n. 373595 – Capitale sociale € 600.000,00 versato per € 570.000,00

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### Product notes

- Please contact us in case of use in direct flame polymerisation furnaces.  
In direct flame gas furnaces, oxidation of the primer can be created, caused by fumes from the gas used. The same can happen with obsolete and/or malfunctioning furnaces.
- In cases where the product is used as a primer or priming agent, in order to ensure perfect adhesion between the primer and the powder "topcoat," the primer must not be fully crosslinked and therefore partial baking (e.g. 180°C x 5') is recommended. Complete crosslinking of the primer will be achieved by baking the finishing coat (180°C x 20').

### Chemical-physical specifications

All tests were performed in the laboratory under standard controlled conditions, on AA 5005-H24 alloy panels for mechanical tests; and on AA 6060 alloy panels for corrosion tests.

#### **Mechanical tests:**

*Deep-drawing ISO 1520 - PASS 5mm*

*Bending ISO 1519 - PASS 5mm*

*Impact resistance ISO 6272 - PASS 2.5Nm*

#### **Chemical/corrosion resistances:**

*Neutral salt spray 1,000h: no corrosion, no film detachment, no bubble formation*

*Immersion in distilled water 1,000h: no change*

### Surface preparation

- The substrates to be painted must be clean of grease, oil, rust and other materials that may compromise the adhesion of the product to the item to be painted.  
The recommended treatment cycle on the ferrous substrate is iron salt phosphating, zinc phosphating, or sandblasting.

### Application

- Do not mix this product with other powders to avoid issues of incompatibility.
- Painting can be done with electrostatic tribo/corona guns either manually or automatically.



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### Storage

- When stored in a dry environment at a temperature below 30°C, the product remains stable for at least 24 months.
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### Notes

- Chemicals and/or particularly aggressive materials can alter the appearance of the paint. We recommend testing beforehand. Please contact our technicians if you have any doubts or special requests.
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### Safety

- Refer to the Safety Data Sheet before use.
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The information described here is the result of our experience and continuous research. The data provided falls within the normal scope of product properties and refers only to specific materials.

Since Bullcrem Lack cannot provide for all variations in end use, no warranty is given and no liability is assumed in connection with the use of this information. The information in this sheet is subject to change without notice in the interest of continuous product improvement. For special specifications please contact our technical laboratory staff.



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