



BULLCREM LACK

POWDER COATINGS



Technical Data Sheet

Version No. 1/2024

STABILIMENTO E SEDE LEGALE

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

Tel: +39 0423 755 547 - www.bullcrem-lack.com

MLI390050002 MP NERO 50G 9005

Epoxy-polyester paint is a thermosetting powder coating for indoor decorations.

Fields of application

Indoor furniture, including office furniture, electric appliances, home accessories, switchboards and any other indoor metal item.

Product characteristics

Surface appearance: Smooth

Applications: Corona

Color: Black

Substrate: Iron/Steel

Theoretical Density: 1.45 - 1.6 g/cm³

Shine (60°): 50 +/- 5 Gloss

ISO 2813

Fluidity SAMES: >140

Polymerization condition: 180°C X 20min

(actual on the piece)

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 34 and 45 microns. Special particle size distributions are available upon request, depending on the needs.



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P.IVA, C.F. e Reg. Imprese 03951000243 – Iscrizione R.E.A. di Treviso n. 373595 – Capitale sociale € 600.000,000 Int. Vers.

Società soggetta all'attività di direzione e coordinamento della Managlio 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 500h: no corrosion, no film detachment

Humidistat and immersion trials in distilled water 500h: no blistering and loss of shine

Preparation of the surface

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.

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.

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.



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Storage

The product stored in dry conditions at temperatures lower than 30°C remains stable for at least 24 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.

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.



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