



BULLCREM LACK

POWDER COATINGS



STABILIMENTO E SEDE LEGALE

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

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Technical Data Sheet -version 1/2025-

QLI59005O002 PES NERO ULTRAMATT 3G 9005 OS

Thermosetting powder paint formulated with resins, additives and pigments specifically selected to impart excellent general properties; designed for use in decorative applications for external use.

Fields of application

Garden furniture, street furniture, lighting, shelving, outdoor air conditioning. Ideal for industrial applications.

Technical specifications

Surface appearance: Smooth

Color: Black

Substrate: Iron/Steel

Theoretical Density: 1.30 - 1.50 gr/cm³

Shine (60°): 3 +/- 3 Gloss

ISO 2813

Fluidity SAMES: >140

Polymerization condition: 190°C X 20 - 30min

(actual on the piece) 200°C X 10 – 20min

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

Bullcrem Lack Srl

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 3mm

Impact resistance ISO 6272 - PASS 2.5Nm

Adhesion ISO 2409 – GT0

Buchholz Hardness ISO 2815: >90

Pencil Hardness ISO 15184 - H-2H

Chemical/corrosion resistance:

Salt spray test for 500 hours: no corrosion, no film detachment

Humidistat and distilled water immersion tests: no blistering or loss of gloss

Corrosion in an atmosphere containing sulfur dioxide ISO 3231: after 24 cycles, no blistering or loss of gloss.

Resistance to mortar EN 12206-1: no surface changes after 24 hours of direct contact.

Good resistance to acids, alkalis, and oils at room temperatures.

Excellent outdoor resistance after 12 months of exposure: <35% gloss, slight loss of gloss (after one year of exposure in Italy).

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.

Preparation of the surface

Thoroughly remove grease, processing residues and rust from the item.

A suitable chemical conversion is recommended to achieve a good level of protection against corrosion before coating.

Application

Do not mix this product with other powders in order to avoid possible incompatibility problems.

With automatic or manual electrostatic guns, Corona and Tribo systems.

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Storage

The product stored in a dry place at a temperature below 30°C stays stable for at least 12 months.

Safety

Consult the safety data sheet before use.

The information hereby provided is 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.

The information contained in the present sheet is subject, without notice, to modifications for the continuous improvement of the product. For special information please feel free to contact our laboratory technicians.

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