



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-

QLI490030002 PES BIANCO OP 9003

Approved product by Qualicoat Class 1 P- 1605



Thermosetting powder coating with specifically selected resins, additives and pigments providing outstanding general properties; suitable for outdoor decorative applications requiring a high resistance to light and weather conditions.

Fields of application

Architectural, Garden furniture, lighting systems, road signposts and other metal items for outdoor use.

Product characteristics

Surface appearance: Smooth

Colour: White

Substrate: Aluminium

Theoretical Density: 1.45 - 1.65 g/cm³

Shine (60°): 25 +/- 5 Gloss

ISO 2813

Fluidity SAMES: >140

Polymerization condition: 180°C X 15 – 30min

(actual on the piece) 190°C X 12 – 25min

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 meter

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 5mm

Adhesion – ISO 2409(2mm crosshatch): Gt0

Bending – ISO 1519: PASS 5mm

Impact resistance – ISO 6272: PASS 2.5Nm

Buchholz Hardness – ISO 2815: >80

Pencil hardness – ISO 15184 - H-2H

Accelerated aging ISO 16474-2 (1000H) – gloss retention > 50%

ISO 11507:1997 QUV B 313 (300H) - gloss retention > 50%

Chemical/corrosion resistance

Acetic-Salt spray ISO 9227: no corrosion, no film detachment < 16mm² corrosion/10cm, 1000 hours.

Humidistat ISO 6270 and immersion trials in distilled water ISO 2409: no blistering and loss of shine, 1000 hours.

Corrosion in an atmosphere containing sulphur dioxide ISO 3231: After 24 cycles, no blisters gloss loss or discoloration.

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

Mortar Resistance EN 12206-1: no effect after 24 hours

Exterior durability - ISO 2810 (1 year): >50% gloss retention, colour retention accords with Qualicoat

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.

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Application

Do not mix this product with other powders in order to avoid possible incompatibility problems.
We recommend a film thickness between 90 and 100 microns.

Storage

The product stored in a dry place at a temperature below 30°C stays stable for at least 36 months.

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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