# PBT®

Protection
Brushed
Technology

PBT® (Protection Brushed Technology) is Tres' proprietary industrial multi-layer coating process that ensures high-quality, durable and elegant finishes for demanding interior design environments.

Available in four sophisticated tones (Black bronze, Golden Cava, Volcanic and Graphite), PBT® enables the application of ultra-resistant finishes with impeccable aesthetics.



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# Why does the finish matter more than ever?

- Growing trend towards dark and matte tones.
- Higher durability requirements in high-value projects.
- Increasing importance of reducing maintenance and cleaning.
- Sustainability criteria becoming increasingly relevant.

The finish is no longer just aesthetics.
It’s performance.

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# What is PBT®

The PBT® treatment by Tres consists of a four-layer coating that ensures a durable, resistant, and aesthetically flawless finish.

## Maximum corrosion resistance

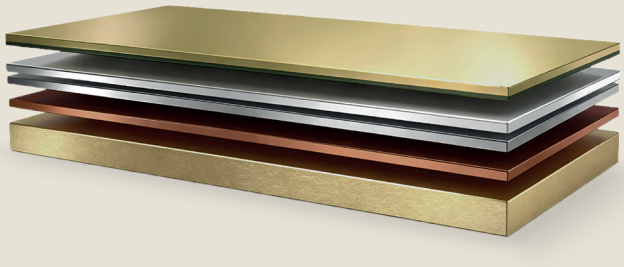
PBT® finishes protect against oxidation and moisture, ensuring a long lasting life even in demanding environments.

## Long-lasting adherence

The multilayer process creates a strong bond between the coating and the metal, preventing wear or detaching over time.

## Fade-resistant colour

PBT® pigments and treatments keep the colour vibrant, uniform, and elegant tone, unaffected by use or exposure.



4 – **Thermosetting synthetic resin on a sealing base** | Waterproofing, hardness, and pigmentation

3 – **Nickel 2**

2 – **Nickel 1**

Complementary duplex layers – Protection against corrosion

1 – **Copper** | Anchoring and leveling

**Brass** Low lead content, base body substrate

Result: structural protection, an unalterable aesthetic finish, and a chromium-free process.

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# Tones with soul, designed to stand out

## Black bronze



Sober, intense, and elegant. A black with subtle bronze undertones that shift with the light. Its matte finish adds versatility, blending stylishly into both rustic and modern interiors.

## Volcanic



A warm tone with copper undertones that brings personality and exclusivity. Perfect for interiors seeking a cozy and distinctive aesthetic.

## Golden Cava



Light and luxury in harmony. This matte gold finish conveys distinction without ostentation, ideal for refined spaces with subtle touches of shine.

## Graphite



Modernity and balance. The graphite finish combines the neutrality of grey with a silky texture, adapting to minimalist and elegant styles.

The PBT® process ensures complete color uniformity: same tones, same intensity, and the same finish in every production batch, with no deviations.

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# PBT® vs Structural PVD*

** Structural PVDs often contain a chromium base layer, unlike decorative PVDs, which offer lower resistance.*

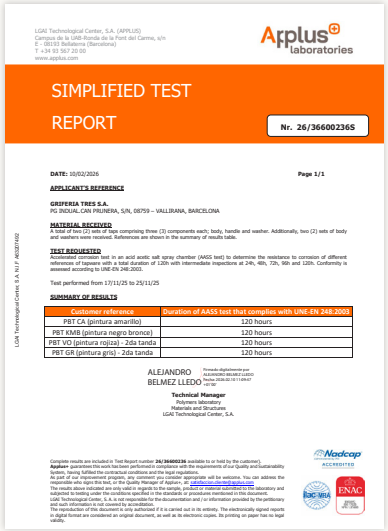
| | PBT® | Structural PVD |
|---|---|---|
| **Durability** | Very high, 120 h AASS | Very high, 96–120 h AASS |
| **Surface** | Continuous, non-porous | Rough, micro-textured |
| **Visible fingerprints and stains** | Unexistent | Medium–high (especially in dark tones) |
| **Maintenance and cleaning** | Reduced | Frequent |
| **Environmental impact** | Lower, chromium-free | Higher, with chromium |

**x5**

times more resistant to corrosion than required by the EN 248 standard

**x2**

times more resistant to abrasion wear than chrome



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Applus laboratories

SIMPLIFIED TEST REPORT

Nr. 26/36600236S

**DATE:** 10/02/2026 **Page 1/1**

**APPLICANT'S REFERENCE**

**GRIFERIA TRES S.A.**
PG INDUAL.CAN PRUNERA, S/N, 08759 – VALLIRANA, BARCELONA

**MATERIAL RECEIVED**
A total of two (2) sets of taps comprising three (3) components each; body, handle and washer. Additionally, two (2) sets of body and washers were received. References are shown in the summary of results table.

**TEST REQUESTED**
Accelerated corrosion test in an acid acetic salt spray chamber (AASS test) to determine the resistance to corrosion of different references of tapware with a total duration of 120h with intermediate inspections at 24h, 48h, 72h, 96h and 120h. Conformity is assessed according to UNE-EN 248:2003.

Test performed from 17/11/25 to 25/11/25

**SUMMARY OF RESULTS**

| Customer's reference | Duration of AASS test that complies with UNE-EN 248:2003 |
|---|---|
| PBT CA (pintura amarillo) | 120 hours |
| PBT KMB (pintura negro bronce) | 120 hours |
| PBT VO (pintura rojiza) - 2da tanda | 120 hours |
| PBT GR (pintura gris) - 2da tanda | 120 hours |

ALEJANDRO BELMEZ LLEDO
Technical Manager
Polymers laboratory
Materials and Structures
LGAI Technological Center, S.A.

Complete results are included in Test Report number **26/36600236** available to or held by the customer).
**Applus+** guarantees this work has been performed in compliance with the requirements of our Quality and Sustainability Systems, having fulfilled the mechanical conditions and the digital registration.
As part of our improvement programs, any comment you consider appropriate will be welcome. You can address the responsible who signs this test, or the Quality Manager of Applus+, at: satisfaccion.clientes@applus.com
The results relate only to the items tested, which were selected and identified by the sample, product or material supplier. The laboratory and subcontracted testing under the conditions specified in the documents or provided information in this document.
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Test performed:

**Type:** AASS (Acetic Acid Salt Spray)

**Standard:** UNE-EN 248:2003

**Duration:** 120 hours

**Laboratory:** LGAI Technological Center – Applus+

**Report No.:** 26/36600236S

Certified resistance in accordance with the European reference standard for taps and mixers.

**Result:** Full compliance after 120 h with no failure.

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# Advantages of specifying PBT®

Hotels, residential, and high-demanding projects



An elegant and uniform finish designed to last.

- Better visual integration
- Low maintenance requirements
- Long lasting life under intensive use
- Greater sustainability

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# Certifiable sustainability

- Aesthetic stability
- Longer durability
- Passive hygiene
- Reduced use of chemicals
- Reduced maintenance
- Fully manufactured in Spain – Lower $CO_2$ footprint

PBT® finishes are aligned with LEED, BREEAM, REACH, and EDGE strategies, contributing to the achievement of credits and improving the environmental performance of buildings throughout their life cycle.



# Tres’ collections with PBT® finishes



Mont Blanc



Clasic



Slim



Study



Cuadro



Loft



Fuji



Project

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