performance lab
surface finish testing

Reduce risk, increase performance: choose our accredited tests

Performance Lab is an UNI CEI EN ISO/IEC 17025:2018 accredited test laboratory

ilac-MRA

TESTING ACCREDIA

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elcometer

Performance Lab

The laboratory that certifies excellence in coated surfaces

Performance Lab is our **accredited laboratory** for the execution of chemical-physical tests aimed at evaluating the performance of painted surfaces.

Thanks to the expertise gained over the years, **we have defined a comprehensive set of tests that ensure outstanding performance and fill regulatory gaps in key sectors** such as **yachting, bathroom furniture** and **outdoor furniture**.

In these applications, where surfaces are exposed to multiple stresses, our tests guarantee resistance, **durability and aesthetic quality**. Successfully passing these tests allows manufacturers to obtain the **Top-Quality Yacht Interiors**, **Top-Quality Bathroom Furniture** and **Top-Quality Outdoor Furniture** marks – a guarantee of consistently high standards.

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TOP-QUALITY YACHT INTERIORS

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TOP-QUALITY BATHROOM FURNITURE

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TOP-QUALITY OUTDOOR FURNITURE

How can we help you?

Tailor-made solutions for every need

Do you want to improve the quality of your products?

We assess current performance levels and work with you to identify the most suitable coating process to enhance them.

Not sure which test to choose?

Tell us about your needs: we will guide you in selecting the most appropriate tests for the properties you want to evaluate.

Do you need to comply with specific standards?

We support you throughout the entire process, acting as your single point of contact to optimise time and resources.

Do you want higher-performing surfaces?

We analyse the current reliability of your coated surfaces and indicate how to address any weaknesses.

UNI CEI EN ISO/IEC 17025:2018 Accreditation

What does it mean?

It means that we are authorised to issue accredited test reports for the tests performed on coated surfaces. Compared to non-accredited laboratories, Performance Lab guarantees:

IMPARTIALITY

COMPLIANCE WITH AGREED TIMELINES

TECHNICAL COMPETENCE

CONFIDENTIALITY

RELIABILITY OF RESULTS

Which tests can you request?

From **hardness** and **abrasion resistance** tests to **chemical resistance** assessments.
We also carry out highly complex tests, such as **corrosion resistance** and **light resistance**.

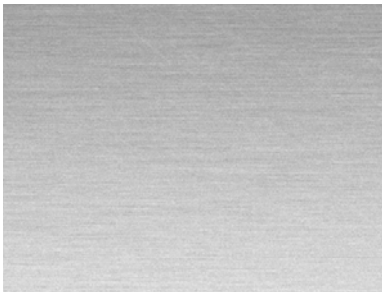
Performance Lab is one of the few laboratories accredited in Italy for this test and represents a point of reference for quality, reliability and expertise in the coatings sector.

Which materials?

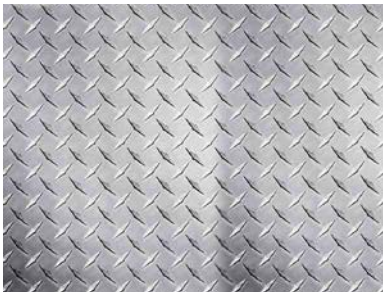
WOOD

GLASS

PVC



ALUMINIUM



METAL

Which sectors?

FURNITURE

WINDOWS AND DOORS

FLOORING

MARINE/YACHTING

BATHROOM FURNITURE

OUTDOOR FURNITURE

Which tests are accredited?

The accreditation process required several years of work and the creation of a dedicated **team of specialists** exclusively focused on Performance Lab.

Out of more than 200 tests in our portfolio, we selected the most relevant ones for accreditation. The list below represents a selection only: the process is continuously evolving and new accredited tests are added every year. For the complete and updated list of accredited tests, you can consult the official Accredia database at the following link: https://www.accredia.it/banche-dati/, selecting the 'Testing laboratories' section and entering the accreditation number 01498.

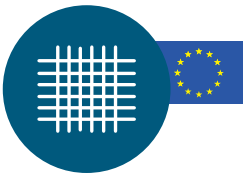
Laboratory accreditation guarantees the same methodology and level of safety across all our chemical and physical tests, including those that are not accredited.

Accredited tests (selection)

PRLAB162 Rev. 04
Resistance to humid climates (internal method)

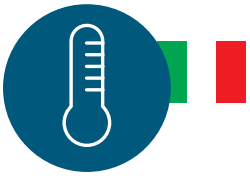
UNI EN 16611:2023
Evaluation of the resistance of surfaces to micro-scratches

UNI EN 15185:2024
Evaluation of the resistance of surfaces to abrasion

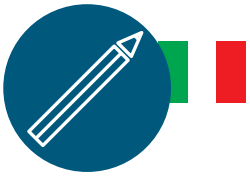


UNI EN ISO 2409:2020
Cross-cut test (adhesion)

UNI EN ISO 4624:2023
Pull-off test for adhesion

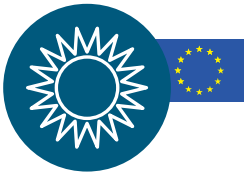


UNI 9429:2022
Determination of surface resistance to temperature changes



UNI 10782:1999
Determination of hardness - Pencil method

UNI EN 15186:2024
Evaluation of surface scratch resistance



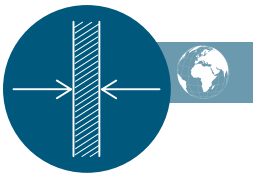
UNI EN 15187:2024
Evaluation of the effects of light exposure

UNI EN 12721:2013
Evaluation of the resistance of surfaces to wet heat

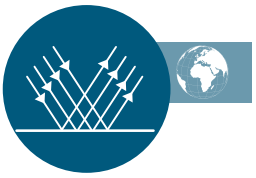
UNI EN 12722:2013
Evaluation of the resistance of surfaces to dry heat

UNI EN 12720 :2013
Evaluation of the resistance of surfaces to cold liquids

UNI 9300:2020
Determination of the tendency of surfaces to retain dirt



UNI EN ISO 2808:2019, Method 10
Determination of film thickness



UNI EN ISO 2813:2016
Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°

UNI EN ISO 9227:2024
Corrosion tests in artificial atmospheres - Salt spray test

Why request accredited tests?

Because they solve tomorrow's problems today.

- Tests help you save costs by verifying whether a product complies with regulations before launch.
- Tests enable compliance with mandatory standards required to access new markets.
- Tests enhance your company's reputation along the value chain by creating value through defined quality standards.
- Accredited test reports allow you to participate in public tenders and technical specifications.
- If, as a result of the tests, the product does not comply with the requirements, we can support you in identifying possible improvement actions. These consultancy activities do not fall within the scope of Accredia accreditation.
- Tested products help protect you against claims and disputes.

TOP-QUALITY MARKS

Excellence standards for high-performance coated surfaces

- TOP-QUALITY YACHT INTERIORS
- TOP-QUALITY BATHROOM FURNITURE
- TOP-QUALITY OUTDOOR FURNITURE

TOP-QUALITY YACHT INTERIORS

THE QUALITY MARK FOR MARINE FURNITURE

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TOP-QUALITY YACHT INTERIORS

Coatings for marine furniture must comply with **standards and tests required by major international shipyards**. For this reason, our accredited Performance Lab subjects coating systems to rigorous chemical and physical testing and has identified **a specific set of tests to guarantee high performance**. Passing these tests allows manufacturers to obtain the **Top-Quality Yacht Interiors** mark, meeting the demanding standards of the marine sector.

The mark includes a set of dedicated tests for coated marine furniture surfaces, designed to enhance their chemical and physical performance characteristics. Four of these are **minimum requirements** for certification, while a further seven tests qualify the surface even further.

Minimum requirements
UNI 9429:2022 (Method B) / DIN 68930 / AMK-MB 005 mod.3 / NF D 60-050 Determination of surface resistance to temperature changes
UNI EN ISO 2409:2020 Cross-cut test
UNI EN 15187:2024 Evaluation of the effects of light exposure
PRLAB162 Rev.04 Resistance to humidity (internal method)

Additional requirements
UNI EN 15186:2024 Evaluation of surface scratch resistance
UNI EN 12722:2013 Evaluation of the resistance of surfaces to dry heat
UNI EN 12721:2013 Evaluation of the resistance of surfaces to wet heat
UNI EN 12720:2013 Evaluation of the resistance of surfaces to cold
UNI EN ISO 2808:2019, Method 10 Determination of film thickness
UNI EN 16611:2023 Evaluation of the resistance of surfaces to micro-scratches (Method B)

TOP-QUALITY BATHROOM FURNITURE

THE QUALITY MARK FOR BATHROOM FURNITURE

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TOP-QUALITY BATHROOM FURNITURE

Bathrooms are domestic environments exposed to higher stress levels than other indoor spaces. **Humidity and aggressive cleaning products may cause whitening, cracking, coating degradation, mould and stains over time.**

To ensure maximum resistance in such critical environments, our accredited Performance Lab has defined an extremely rigorous chemical and physical testing protocol. Only coating systems that pass these tests obtain the Top-Quality Bathroom Furniture mark, a guarantee of reliability and compliance with the highest industry standards.

The **Top-Quality Bathroom Furniture** mark includes a series of specific tests for coated bathroom furniture surfaces, designed to enhance their chemical and physical performance characteristics. Four of these represent the minimum mandatory requirements needed to obtain the mark. A further four tests have been identified to provide an even higher level of qualification for the coated surface.

Minimum requirements
PRLAB162 Rev.04 Resistance to humid climates
UNI 9429:2022 Determination of the resistance of surfaces to temperature changes
UNI EN 12720:2013* Resistance to detergents
UNI EN ISO 2409:2020 Cross-cut test (adhesion)

Additional requirements
UNI EN 12720:2013 Evaluation of the resistance of surfaces to cold liquids
UNI EN 12721:2013 Evaluation of the resistance of surfaces to wet heat
UNI EN 15187:2024 Evaluation of the effects of light exposure
UNI EN 15186:2024 Evaluation of surface scratch resistance

*Detergents, exposure times and requirements are defined by Performance Lab and detailed in technical specification **SPTLAB03**.

TOP-QUALITY OUTDOOR FURNITURE

THE QUALITY MARK FOR OUTDOOR FURNITURE

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TOP-QUALITY OUTDOOR FURNITURE

Outdoor furniture is exposed to severe stresses: **temperature variations, weathering and contact with staining substances require elastic coating systems, UV resistance and high chemical performance to preserve aesthetics and durability over time**.

To guarantee maximum resistance, our accredited Performance Lab subjects coating systems to rigorous chemical and physical testing and has identified a **dedicated set of tests to ensure high performance**. Passing these tests allows manufacturers to obtain the Top-Quality Outdoor Furniture mark.

The **Top-Quality Outdoor Furniture** mark includes a set of dedicated tests designed to fill a regulatory gap for coated surfaces intended for outdoor use. Two of these tests are minimum requirements and are mandatory to obtain the mark. A further four tests are additional and serve to further qualify the coated substrate.

Minimum requirements
MPLAB38 Artificial ageing resistance – 500 hours (internal method)
UNI EN 12720:2013 Evaluation of the resistance of surfaces to cold liquids

Additional requirements
MPLAB38 Artificial ageing resistance – 500 hours (internal method)
UNI EN 12721:2013 Evaluation of the resistance of surfaces to wet heat
UNI 9429:2022 Determination of the resistance of surfaces to temperature changes
UNI EN 15186:2024 Evaluation of surface scratch resistance

Consultancy services

In addition to the execution of tests with the **Top-Quality brands**, Performance Lab provides **customized consulting** services for the drafting of internal quality protocols, supporting the customer in identifying reference values and defining periodic checks. It should be noted that these activities do not fall within the scope of Accredia accreditation.

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