



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



01498



Performance Lab

The laboratory that certifies excellence in coated surfaces

Performance Lab is our accredited laboratory for chemical and physical testing, dedicated to the evaluation and certification of coated 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.

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.



TOP-QUALITY YACHT INTERIORS



TOP-QUALITY BATHROOM FURNITURE



TOP-QUALITY OUTDOOR FURNITURE

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**.

Across Italy, only three laboratories are accredited for these tests: Performance Lab is one of them, standing out as a centre of excellence and a benchmark for quality, reliability and coating expertise.



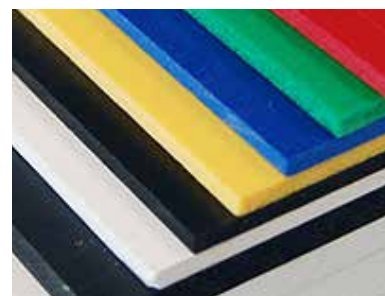
Which materials?



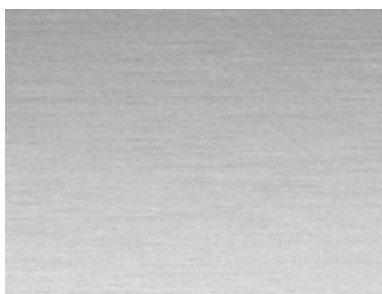
WOOD



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 full list, visit www.performancelab.tech.

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)



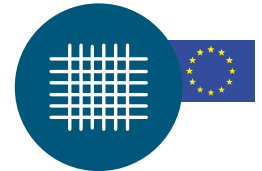
PRLAB162
Resistance to humid climates
(internal method)



UNI EN 16611:2023
Micro-scratch resistance



UNI EN 15185
Abrasion resistance
(S42 method)



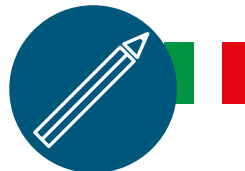
UNI EN ISO 2409
Cross-cut test
(adhesion)



UNI EN ISO 4624
Pull-off test
(adhesion strength)



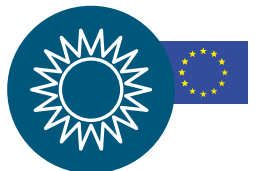
UNI 9429
Resistance to temperature changes
(Cold Check)



UNI 10782
Pencil hardness



UNI EN 15186
Scratch resistance



UNI EN 15187
Light fastness



UNI EN 12721
Resistance to wet heat



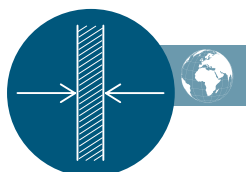
UNI EN 12722
Resistance to dry heat



UNI EN 12720
Resistance to cold liquids



UNI 9300
Resistance to staining



**UNI EN ISO 2808:2007,
Method 10**
Determination of coating
thickness



UNI EN ISO 2813:2016
Determination of gloss value
at 20°, 60° and 85°



UNI EN ISO 9227:2023
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 a product does not meet requirements, we help you understand how to achieve them.
- Tested products help protect you against claims and disputes.

A close-up photograph of a person's hands using a yellow-handled utility knife to cut a piece of wood. A metal ruler is held against the wood to guide the cut. The background is a light, neutral color. A large, semi-transparent teal circle is overlaid on the right side of the image, containing white text.

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



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 (Method B) / DIN 68930 / AMK-MB 005 mod.3 / NF D 60-050

Resistance to temperature changes (Cold Check)

UNI EN ISO 2409

Cross-cut adhesion test

UNI EN 15187

Light fastness

MPLAB 10

Resistance to humidity (internal method)

Additional requirements

UNI EN 15186

Scratch resistance

UNI EN 12722

Resistance to dry heat

UNI EN 12721

Resistance to wet heat

UNI EN 12720

Resistance to cold liquids

UNI EN ISO 2808

Determination of coating thickness

EN CEN/TS 16611

Micro-scratch resistance (Method B)



TOP-QUALITY BATHROOM FURNITURE

THE QUALITY MARK FOR BATHROOM FURNITURE



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	Additional requirements
PRLAB162 Resistance to humid climates (internal method)	UNI EN 12720 Resistance to cold liquids
UNI 9429 Resistance to temperature changes (Cold Check)	UNI EN 12721 Resistance to wet heat
UNI EN 12720* Resistance to detergents	UNI EN 15187 Light fastness
UNI EN ISO 2409 Cross-cut test (adhesion)	UNI EN 15186 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



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

Resistance to cold liquids

Additional requirements

MPLAB38

Artificial ageing resistance – 500 hours (internal method)

UNI EN 12721

Resistance to wet heat

UNI 9429

Resistance to temperature changes (Cold Check)

UNI EN 15186

Scratch resistance





Consultancy services

In addition to testing for **Top-Quality marks**, Performance Lab offers **customised consultancy services** to develop internal quality protocols, helping clients define reference values and set up periodic controls.



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