



Q-PANEL[®] Test Substrates

Qualicoat Test Methods

Why Q-PANEL

Consistent

Quality, standardized surfaces with an industry-leading warranty

Cost-Effective

High-volume production, with 95% of orders shipped from stock from our global distribution network

Convenient

Pre-cleaned with a Q-shaped hanging hole, rounded corners, and deburred edges

Clean

Pre-cleaned before packaging to remove any surface oil

Q-SHAPED HOLE

It's our trademark and your assurance of quality. Accept no substitutes.

PRE-CLEANED

Special pre-cleaning processes allow most Q-PANEL substrates to be used right out of the box.

BURR-FREE EDGES

A deburring process ensures that all Q-PANEL edges are safe and easy to handle.

SHIPPED FROM STOCK

Nearly all Q-PANEL substrates are available for shipping within 24 hours from order placement.

COST-EFFECTIVE

Q-PANEL substrates are priced low because of high-volume production efficiency.

HIGH-QUALITY METAL

Q-Lab has special relationships with select, trusted, and strategic mills to ensure consistent quality.



STANDARDIZED SURFACES

A variety of finishes are available to reproduce different real-world metal surfaces, such as smooth mill, matte, and ground. Strict quality control processes ensure that these surfaces deliver repeatable and reproducible test results.

SPECIAL PACKAGING

Steel substrates are carefully packaged with a vapor phase rust inhibitor to guarantee pristine surface quality free of oil stains, with a shelf life of years.

EXPERIENCE

Q-Lab provides expert-level applications assistance to help get the most out of testing with your Q-PANEL substrates. We can help you understand the best panel selections for a wide variety of uses and industries.

NO-NONSENSE WARRANTY

Q-Lab offers a complete, 100% warranty on Q-PANEL substrates. Just return them for any reason if you're not satisfied.

Q-PANEL Substrates for Qualicoat Tests

Q-PANEL standard substrates can be used for a variety of Qualicoat tests as presented in Section 2, "Test Methods and Requirements".

Q-PANEL	Description	Qualicoat Spec	Test Type
AQ	5005 H24 Bare Al	2.6, 2.7, 28	Mechanical Tests
		2	General coated parts testing
		2.20	Scratch and mar resistance test
AEX-26	6063 T5/T6 Extruded Al	2.10, 2.11	Corrosion Tests
		3.2.1	Etch Rate Test

- ▶ Q-PANEL substrates are also ideal for Accelerated weathering testing according to Qualicoat requirements
 - Classes 1, 1.5 and 2
 - Test according to ISO 16474-2 Method A for 1,000 hours
- ▶ 4" x 12" Q-PANEL substrates used for qualifying new color/powder coatings in Florida outdoor exposures
- ▶ Custom Q-PANEL test panels are also available



Q-Lab Testing Services

Q-Lab offers ISO 17025-accredited laboratory and outdoor testing in Florida, the internationally-recognized benchmark location for outdoor exposure testing. Why choose Q-Lab Testing Services?

- Short-term need for testing
- Additional testing capacity required
- Special project with a new test cycle
- Requirement for accredited third-party verification of test results.



Accelerated Laboratory Testing

Q-Lab Testing Services offers a range of materials durability testing to support your Qualicoat approval program.

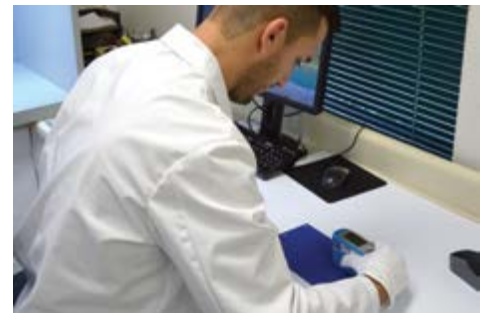


Test Type	Apparatus	Example Tests Available	
UV Fluorescent	QUV accelerated weathering tester	ISO 16474-3 ISO 4892-3	ASTM G154
Xenon-Arc	Q-SUN xenon arc tester	ISO 16474-2 ISO 4892-2 SAE J2527 SAE J2412	ASTM G155 VW PV 3929 VW PV 3930 VW PV 1303
Corrosion and Condensation	Q-FOG cyclic corrosion tester	ISO 9227 (NSS) ASTM B117	ISO 6270-2 ISO 20340

Evaluations

Q-Lab Testing Services can perform a variety of destructive and non-destructive evaluations to generate results that support Qualicoat testing.

Evaluation	Standard
Visual evaluations	ISO 4628
Grey scale evaluations	ISO 105-A02
Instrumental color measurements	ISO 7724-2
Gloss measurements	ISO 2813
Tape adhesion	ISO 2409
Film hardness pencil test	ASTM D3363



Contact us today! q-lab.com/panels

LP-0882 EN ©2024 Q-Lab Corporation. All rights reserved. See Q-Lab.com/Trademarks for trademark information.

We make testing simple.

