

**Q-PANEL**

## Standard Test Substrates



# Q-PANEL

## Standard Test Panels

- Research, Development, Quality Control
- Coatings, Plating, Adhesives, Sealants, Rust Inhibitors



*A wide range of panel sizes and types are available for immediate shipment from stock.*

### Steel & Aluminum Test Substrates

Test substrates from Q-Lab Corporation minimize metal variability as a source of bias in critical tests. At the same time, they are economical enough to be used for sales samples and batch records.

### The World Standard

For over 50 years, Q-Panel brand test panels have been recognized as the world standard for a consistent and uniform test surface. Thousands of labs use millions of our panels each year.

### Consistent

Three factors assure consistent quality at the lowest possible prices:

- Volume metal purchasing from selected mills.
- Automated production on a high-speed line.
- Rigorous inspection at several processing stages from raw material to finished product.

### Economical

Due to their high volume production, our panels cost less than you might expect for such a standardized surface. Equally important, the convenience of clean, safe, standardized panels reduces the expensive time lab personnel spend cleaning and handling panels.

### Convenient

For maximum convenience, Q-Panel substrates are supplied precleaned, with a 1/4" (6 mm) hole. For safety and ease of handling, the panels have rounded corners and deburred edges. In addition, the panels are specially packed to provide a shelf life of several years. Our inventory of over a million panels means that 95% of our orders are shipped from stock.

### Pre-Cleaned

The Q-Panel production process thoroughly cleans the panels and removes any oil that might be on the surface. In addition, we go to extraordinary lengths to assure that all panels are free from handling marks and fingerprints. Our automated production line minimizes handling. Moreover, when it's necessary to handle unpacked panels, our highly trained personnel wear clean white gloves and handle the panels only by the edges.



## Packaging

Steel panels are packed in plastics bags in quantities of 20 to 50 panels, depending on type and thickness. Each packet contains vapor phase rust inhibitor. Between 4 and 10 packets are placed in a sturdy cardboard carton. With this multi-layer packaging, our steel panels have a shelf life of up to 10 years. The panels are stored completely clean, so there is no chance of oil stain ruining the surface. Aluminum panels are packed similarly, except without rust inhibitor.

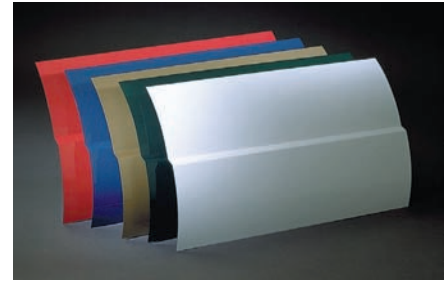


*Panels are stored completely clean and, in most cases, can be used right out of the box.*

In most cases, the panels can be used right out of the pack. However, for critical applications, it may sometimes be necessary to remove traces of the rust inhibitor with a distilled water or MEK wipe prior to coating the panel.

## Special Panels

In addition to our standard panels, we can also make types and sizes not shown on our regular Price Lists. Special panels can be manufactured with various alloys and finishes. These specials are most cost effective when there are quantities sufficient to allow an economical production run and when the special panels employ either our stock metal or readily available alloys.



*Special panels can be made in a variety of shapes, sizes, alloys and finishes.*

## Millions of Our Test Panels Are Used Every Year

Thousands of labs use millions of Q-Panel brand steel and aluminum panels every year for color development, weathering exposures, salt spray and corrosion testing, physical properties testing and quality control.



**Weathering Tests**



**Color Development**



**Corrosion Tests**



**Appearance Retention**



## Steel and Aluminum Test Substrates

Standard panels are made from steel and aluminum in a range of sizes and finishes. The following is a brief summary of our main standard panel types. See our Price List for a full listing, specifications and complete details.

### STEEL PANELS

| TYPE | DESCRIPTION  |
|------|--|
| QD   | CRS SAE 1008/1010; 0.020" thick (0.5 mm); smooth finish    |
| R    | CRS SAE 1008/1010; 0.032" thick (0.8 mm); dull finish      |
| S    | CRS SAE 1008/1010; 0.032" thick (0.8 mm); ground finish    |
| D    | CRS SAE 1008/1010; 0.010" thick (0.25 mm); smooth finish   |
| DT   | CRS SAE 1008/1010; 0.010" thick (0.25 mm); bright tinplate |
| RS   | CRS SAE 1008/1010; 0.063" thick (1.5 mm); ground finish    |

### ALUMINUM PANELS

| TYPE | DESCRIPTION   |
|------|---|
| A    | Alloy 3003H14; 0.025" thick (0.6 mm); bare mill finish    |
| AL   | Alloy 3003H14; 0.025" thick (0.6 mm); chromate finish     |
| AR   | Alloy 2024T3; 0.063" thick (1.5 mm); bare mill finish     |
| AD   | Alloy 2024T3 Alclad; 0.063" thick (1.5 mm); alclad finish |



Standard panels are available in a range of sizes and finishes. Special panels may be manufactured upon request.

### Q-Lab Corporation

[www.q-lab.com](http://www.q-lab.com)



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