

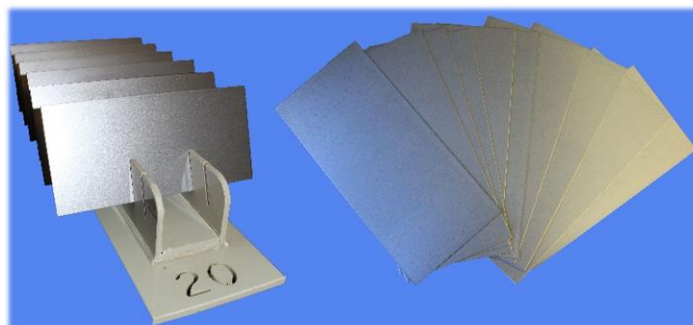
# Weight Loss Test Panels

In a move to ascertain that the performance of one salt spray cabinet is similar to the performance of another cabinet both ASTM and ISO Standard committees have documented a procedure to follow to do this. The methods documented in ASTM B117 and ISO 9227 are similar and are based on test panels of a particular grade of steel and of a specific size, being prepared, weighed and then placed into the test chamber and being exposed for a set period of time. ISO 9227 states an exposure time of 48 hours and ASTM B117 suggests an exposure time of between 48 hours and 168 hours but typically 96 hours.

After exposure, the panels are washed and the product of corrosion is removed chemically and then the panels are weighed again and then this result is deducted from the starting weight to produce a weight loss figure.

The frequency of testing for ASTM B117 is suggested at being monthly with a minimum of two weight loss panels being tested. ISO 9227 suggests weight loss tests every three months and to use a minimum of four test panels.

Subject	ASTM B117	ISO 9227
<b>Panel Material</b>	Cold Rolled Carbon Steel USG 10080	Cold Rolled Carbon Steel CR4 ISO 3574
<b>Panel Size</b>	127mm x 76mm x 0.8mm	150mm x 70mm x 1.0mm
<b>Test Frequency</b>	Monthly	3 Months
<b>Number of Panels Used Per Test</b>	2 Minimum	4 Minimum
<b>Exposure Time</b>	48 Hours to 168 Hours	48 Hours
<b>Expected Average Weight Loss</b>	1.50grams (96 hours)	0.7grams to 0.8grams



For full details see standards

For further information or help on weight loss test calculations then please contact the office

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## **TEST PANELS FOR EVALUATION OF CORROSIVE CONDITIONS IN SALT SPRAY CABINETS VIA WEIGHT LOSS**

### **1. ASTM B117-11 Salt Spray Standard**

Panel Size	:	127mm x 76mm x 0.8mm
Material	:	Commercial Grade Cold Rolled Carbon Steel USG 10080. Corrosion protected, individually packed.
Test Frequency	:	Monthly
Pack Quantity	:	12 Panels
Order Code	:	C/117

### **2. EN ISO 9227 Salt Spray Standard**

Panel Size	:	150mm x 70mm x 1.0mm $\pm$ 0.2mm
Material	:	Cold Rolled Carbon Steel CR4 Grade as per DIN 10130 (CR4) ISO 3574. Corrosion protected, individually packed.
Test Frequency	:	3 Months
Pack Quantity	:	12 Panels
Order Code	:	C/227

Availability ex stock.