ACC131

CR4 Grade Steel Corrosion Test Coupon

70mm x 150mm x 1mm

Meets standards: ISO 9227 & VDA233-102

Sample rack not supplied as standard
(Optional accessory ACC16)

Ascott CR4 Steel Test panels are used to check the reproducibility and repeatability of the test results for Salt Spray or Cyclic Corrosion Test Chambers, before being used to run ISO 9227 or VDA 233-102.

It is necessary to verify the apparatus at regular intervals. During permanent operation, a reasonable time period between two checks of the corrosivity of the apparatus is generally considered to be three months.

Arrangement of the reference specimens

Position at least four steel reference specimens in four quadrants in the zone of the cabinet where the test specimens are placed, with the unprotected face upwards, and at an angle of 20° ± 5° from the vertical. The support for the reference specimens shall be made of, or coated with, inert materials such as plastics (not supplied as standard, optional accessory ACC16). The lower edge of the reference specimens shall be in level with the top of the salt spray collector.

ISO 9227 Mass Loss Requirement:

NSS 70 ± 20 g/m2 per 48 hours exposure
AASS 40 ± 10 g/m2 per 24 hours exposure
CASS 45 ± 15 g/m2 per 24 hours exposure

Ascott CR4 Test panels are manufactured and tested in accordance with ISO 3574 supplied with a certificate of conformity and a UKAS Test Certificate.

- **Material Type:** Cold Rolled Steel CR4
- **Size:** 70mm x 150mm (+/- 0.2mm)
- **Thickness:** 1mm (+/- 0.2mm)
- **Pack Quantity:** 50
- **Product Code:** ACC131

Panels are supplied protectively coated in Rust inhibiting Oil and wrapped in Volatile Corrosion inhibiting (VCI) paper in packs of 50 panels, and are placed in a sturdy cardboard carton.

Mass %		
Element	CR4 Test Plate	ISO 3574: 2012 (CR4)
C	<0.003	0.06 max
Si	0.02	–
Mn	0.09	0.45 max
S	0.012	0.03 max
P	0.014	0.030 max
Cu	0.01	–
Ni	0.01	–
Cr	0.01	–
Mo	<0.01	–
Nb	0.01	–
V	<0.01	–
Al	0.021	–
Ti	0.05	–
B	<0.0005	–
N	0.006	–

Table 1: Spark OES chemical analysis results and ISO 3574: 2012 (CR4) specification.

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Corrosion Test Chambers

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