

Ashcombe Test Laboratory (fictional)

Mechanical testing | Coventry

PRODUCT TEST REPORT

Report no.: ATL-26-0418

Client

Northvale Kitchen Supply Ltd

Test item

Wall shelf bracket SB-40, powder coated steel

Sample IDs

S-0418-01 to S-0418-05

Received

9 February 2026

Tested

11 February 2026 - 13 February 2026

Method

ATL method TM-12 (static and cyclic load), ambient 23 °C

Test	Requirement	Result	Verdict
Static load, 24 h	no failure at 60 kg	no failure at 80 kg	PASS
Deflection at 40 kg	max 3.0 mm	2.4 mm	PASS
Cyclic load 10,000 cycles at 25 kg	no cracks	no cracks	PASS
Screw pull-out (concrete anchor)	min 900 N	860 N	FAIL
Coating adhesion (cross-cut)	class 0-1	class 0	PASS

Overall result: FAIL

Conclusion
The sample does not meet the requirements because the screw pull-out force is below 900 N. A longer anchor is recommended; retest required.

Tested by: L. Okonjo

Approved by: Dr. H. Fairley