

Elcometer 1541 Single Blade Cutter



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At a glance

- Single blade cutter for performing linear, parallel & St Andrew's cross cut adhesion tests.

Can be used in accordance with:

DIN 53151	ECCA T-6
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Elcometer 1541 Single Blade Cutter

This instrument, equipment with a single-blade tool, is often used to perform simple parallel or crossed cuts on plane or curved surfaces.



Model	Description	Part Number
Elcometer 1541	Elcometer 1541 Single Blade Cutter	K001541M002

Adhesion

From the largest man-made structures to the smallest household appliances, most manufactured products have a protective or cosmetic coating. Premature failure of this coating can, at the very least, result in costly penalties or rework.

Adhesion testing during the coating process will quantify the strength of the bond between substrate and coating, or between different coating layers or the cohesive strength of some substrates. Routine testing is also used as part of inspection and maintenance procedures to help detect potential coating failures.

Elcometer offer a highly comprehensive range of Adhesion Gauges designed specifically to meet your requirements. These gauges can be split into three categories:

Cross Hatch / Cross Cut Method

The coating is cut into small squares, thereby reducing lateral bonding, and the adhesion assessed against ISO, ASTM or Corporate Standards

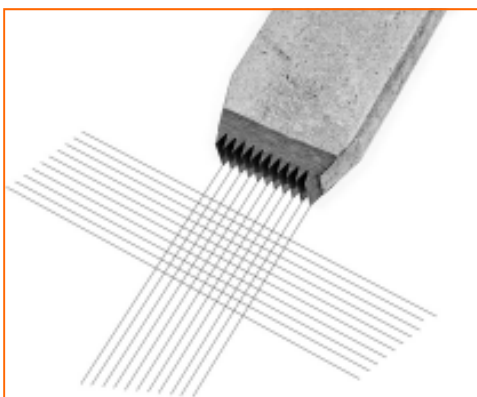
Pull Off Adhesion Method

Tensile Dollies (or stubs) are glued to the coating and, once the adhesive has cured, the force required to pull the dolly off the surface is measured.

Push Off Adhesion Method

Similar to the Pull Off Adhesion Test, a dolly is glued to the coating, once the adhesive has cured, however, the dolly is pushed off the surface by the adhesion gauge.

Elcometer 1540 Cross Cut Tester



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Simple instrument for quickly determining the adhesion of a large number of paints.

Made from special steel, it has 11 tapered teeth with 1mm spacing.

Two series of lines are cut at right angles to obtain a pattern of 100 squares.

At a glance

- A low cost tester for generating 100 x 1mm squares for the cross hatch adhesion process

Model	Description	Part Number
Elcometer 1540	Elcometer 1540 Cross Cut Tester 10 x 1mm	K001540M001
Accessories	ISO 2409 Adhesive Tape (2 Rolls)	T1079538-
	ASTM D3359 Adhesive Tape (2 Rolls)	T1078894-
Packing List	Elcometer 1540 Cross Hatch Cutter, Plastic storage case & Operating	