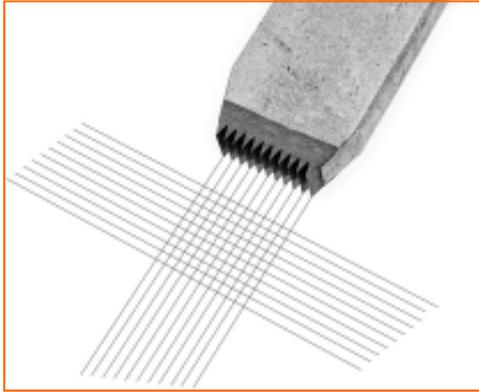


# Elcometer 1540 Cross Cut Tester



Elcometer 1540 Cross Cut Tester

**Elcometer 1540 Cross Cut Tester**  
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  | Cutting Teeth | Tooth Slot / Spacing | Part Number  |
|---------------------|--|---------------|----------------------|--------------|
| Elcometer 1540      | Elcometer 1540 Cross Cut Tester  | 11            | 1mm                  | K0001540M001 |
| <b>Accessories</b>  | ASTM D3359 Adhesive Tape (2 Rolls)   |               |                      | T1078894-    |
|                     | ASTM D3359 Adhesive Tape (1 Roll)  |               |                      | K0001542M001 |
|                     | ISO 2409 Adhesive Tape (2 Rolls)   |               |                      | T9999538-    |
|                     | ISO 2409 Adhesive Tape (1 Roll)  |               |                      | K0001542M002 |
| <b>Packing List</b> | Elcometer 1540 Cross Hatch Cutter, Plastic storage case & Operating instructions |               |                      |              |

**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.

## Related products



Elcometer 121

**Elcometer 121** Paint Inspection Gauge is easy to use and provides the user with a cutter, microscope and light all in a single housing.



Elcometer 121/3

**Elcometer 121/3 Universal Paint Inspection Gauge (P.I.G)** provides a quick, versatile method of coating examination and destructive measurement of coating thickness and cross hatch adhesion in a portable, easy-to-use gauge.



Elcometer 141

**Elcometer 141** Paint Inspection Gauge is a quick, versatile method of examination and measurement of coatings in a portable, easy to use instrument. Ergonomically designed to give a balanced weight distribution for a more consistent cut – even on thick and hard coatings.



Elcometer 195

**Elcometer 195 Säberg Drill** works in a different way to paint inspection gauges. Whereas the PIG makes a linear cut along the coating, the Elcometer 195 Säberg Drill makes a small hole in order to measure the coating thickness layer, minimising damage to the coating being tested.



Elcometer 1542

**Elcometer 1542** Simple but effective method for determining the adhesion of a large variety of coatings. This instrument is ideal for thin coatings on flat surfaces, available with three different spacings, corresponding to the thickness of layer to be tested.



Elcometer 107

**Elcometer 107** The coating may be continuous and look good, but how well is it connected to the substrate? The Elcometer 107 Cross Hatch Cutter provides an instant assessment of the quality of the bond to the substrate. Due to its rugged construction this gauge is ideal for thin, thick or tough coatings on flat or curved surfaces. An ideal field or laboratory test.

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