

elcometer®

inspection equipment



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DFT

Fineness of

Grind, Density

Flow & Dip Cups

Rotational Viscosity

Flash Point, Impact Testers

Washability & Abrasion Testers

Film Applicators, Bend Testers, Gloss

Thickness Gauges, Surface Profile, Wet Film

Dry Film, Coating Thickness Gauges

Climatic Testing, Adhesion, Pinhole Testers

Porosity, Software, Dispersion, Inspection Kits

Zahn Cups, Motorised Film Applicators

Drying Time Recorders, Washability, Abrasion

Scratch & Hardness, Elasticity & Deformation

Surface Cleanliness, DOI Gloss Meters

Colour, Moisture, Dewpoint Meters

Cross-Hatch, Oven Recorders

Surface Contamination

ElcoMaster™

SYNTECH



Elcometer 107

Cross Hatch Cutter

www.elcometer.com

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Syntech -Surface Finishing

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Elcometer 107

Cross Hatch Cutter



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 all surfaces. An ideal field or laboratory test.

- Robust design
- Large, non slip grip
- Ideal for thin, thick or hard coatings
- A quick change, four sided cutter allows adhesion testing on a wide range of coating thicknesses (1mm, 1.5mm, 2mm and 3mm)

STANDARDS:
 AS 3894.9, AS 1580.408.4,
 ASTM D 3359-B, BS 3900-E6,
 ECCA T6, EN 13523-6, ISO 2409,
 ISO 16276-2, JIS K 5600-5-6,
 NF T30-038

The Elcometer 107 Cross Hatch Cutter is available as a Basic or Full Kit.

Technical Specification C

Part Number	Description	Coating Thickness		Certificate
F10713222-1	Elcometer 107 Basic Kit (6 x 1mm)	0 - 60µm	0 - 2.0mils	○
F10713348-6	Elcometer 107 Full Kit with ISO Tape (6 x 1mm)	0 - 60µm	-	○
F10713348-1	Elcometer 107 Full Kit with ASTM Tape (6 x 1mm)	0 - 50µm	0 - 2.0mils	○
F10713222-2	Elcometer 107 Basic Kit (11 x 1mm)	0 - 50µm	0 - 2.0mils	○
F10713348-2	Elcometer 107 Full Kit with ASTM Tape (11 x 1mm)	0 - 50µm	0 - 2.0mils	○
F10713222-3	Elcometer 107 Basic Kit (11 x 1.5mm)	-	-	○
F10713222-4	Elcometer 107 Basic Kit (6 x 2mm)	0 - 125µm	0 - 5.0mils	○
F10713348-9	Elcometer 107 Full Kit with ISO Tape (6 x 2mm)	0 - 120µm	-	○
F10713348-4	Elcometer 107 Full Kit with ASTM Tape (6 x 2mm)	50 - 125µm	2.0 - 5.0mils	○
F10713222-5	Elcometer 107 Basic Kit (6 x 3mm)	121 - 250µm	-	○

Packing List
Basic Kit: Robust handle, cutter, hexagonal wrench, presentation storage case and instructions (together with Classification of Adhesion Test Results chart)
Full Kit: Robust handle, cutter, hexagonal wrench, instructions (together with Classification of Adhesion Test Results chart), eye glass, brush and adhesive tape (either ASTM or ISO tape), all in a plastic ABS carry case

Accessories C

Part Number	Description	Methods			Certificate
		ISO	ASTM	AS	
T99913700-1	6 x 1mm Four sided cutter blade	•			○
T99913700-2	11 x 1mm Four sided cutter blade		•		○
T99913700-3	11 x 1.5mm Four sided cutter blade	•			○
T99913700-4	6 x 2mm Four sided cutter blade	•	•		○
T99913700-5	6 x 3mm Four sided cutter blade	•			○
K0001539M001	Adhesive Tape (1 roll) ASTM D 3359		•		
K0001539M002	Adhesive Tape (1 roll) ISO 2409	•			
T9998894-	Adhesive Tape (2 rolls) ASTM D 3359		•		
T9999358-	Adhesive Tape (2 rolls) ISO 2409	•			

○ Optional Calibration Certificate available.

Related Products



Elcometer 1542 Cross Hatch Adhesion Tester

This is a simple but effective method for determining the coating adhesion on a wide range of substrates. This adhesion tester is ideal for coatings on flat surfaces and is available with one of three different spacings, corresponding to the thickness of layer to be tested.

Each cross hatch gauge can be supplied separately or combined in a kit with a standardised brush and x10 magnifier.



Elcometer 1540 Cross Cut Adhesion Tester

A simple instrument for quickly determining the coating adhesion of a large variety of paints up to 50µm (2 mils) thickness.

Made from steel, this cross hatch gauge has 11 tapered teeth with 1mm spacing. Two sets of lines are cut at right angles to obtain a pattern of 100 squares.



Elcometer 121/4 Standars & Top Paint Inspection Gauges

Available in two models, the Elcometer 121 Paint Inspection Gauge is designed to measure the thickness of single or multiple layers of coatings.

Both models are supplied with illuminated integrated graticule microscopes.



Elcometer 141 Paint Inspection Gauge

The Elcometer 141 PIG is a quick, versatile method of examination and destructive measurement of coatings in a portable, easy to use instrument.

Ergonomically designed to give a balanced weight distribution for a consistent cut, it is ideal for tough coatings and enamels.



Elcometer 506 Pull-Off Adhesion Tester

The Elcometer 506 are lightweight, portable and easy-to-use adhesion gauges available in analogue or digital versions and are suitable for measuring the pull-off adhesion of coatings up to 50MPa (7250psi) either on-site, or in the laboratory.