

Elcometer 1542 Cross Hatch Adhesion Tester

The Elcometer 1542 is ideal for measuring the cross hatch adhesion of coatings up to 250µm (9.8mils) on flat surfaces and test panels.

Measure on large or small panels by quickly changing the position of the guide wheel using the hexagonal wrench provided.

Each cutter wheel consists of 8 cutting faces. When one face becomes worn, rotate the cutting wheel to the next face.

The Elcometer 1542 is available with three different cutter spacings 1, 2 & 3mm for a range of coating thickness (see table below).

The Elcometer 1542 is available on its own (Basic Kit) or as a Full Kit which includes a brush, magnifier & ISO or ASTM adhesive tape. There are also Advanced Kits which include all three (1, 2 & 3mm) cross hatch adhesion testers, together with either ISO or ASTM adhesive tape.



STANDARDS:

AS 3894.9, AS 1580.408.4, ASTM D 3359-B, BS 3900-E6, ECCAT6, EN 13523-6, ISO 2409, ISO 16276-2, JIS K 5600-5-6, NF T30-038

Technical Specification

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Part Number	Description	Cutter Type	Coating Thickness		Certificate
K1542M001	Elcometer 1542 Basic Kit	6 x 1mm	0 - 60µm	0 - 2.4mils	○
K1542M002	Elcometer 1542 Basic Kit	6 x 2mm	50 - 125µm	2 - 5.0mils	○
K1542M003	Elcometer 1542 Basic Kit	6 x 3mm	121 - 250µm	4.8 - 9.8mils	○
K1542M001-I	Elcometer 1542 Full Kit - ISO Tape	6 x 1mm	0 - 60µm	0 - 2.0mils	○
K1542M002-I	Elcometer 1542 Full Kit - ISO Tape	6 x 2mm	50 - 125µm	0 - 2.0mils	○
K1542M003-I	Elcometer 1542 Full Kit - ISO Tape	6 x 3mm	121 - 250µm	4.8 - 9.8mils	○
K1542M001-A	Elcometer 1542 Full Kit - ASTM Tape	6 x 1mm	0 - 60µm	0 - 2.4mils	○
K1542M002-A	Elcometer 1542 Full Kit - ASTM Tape	6 x 2mm	50 - 125µm	2 - 5.0mils	○
K1542M204-I	Elcometer 1542 Advanced Kit - ISO Tape	6 x 1, 2, 3mm	0 - 250µm	0 - 9.8mils	○
K1542M204-A	Elcometer 1542 Advanced Kit - ASTM Tape	6 x 1, 2, 3mm	0 - 250µm	0 - 9.8mils	○
Packing List	Basic Kit: 1 x Elcometer 1542 Cross Hatch Tester ¹ , cutter angle adjustment tool, hexagonal wrench, transit case & user guide Full Kit: Basic Kit plus: brush, magnifier (x10) & ISO or ASTM adhesive tape Advanced Kit: 3 x Elcometer 1542 Cross Hatch Testers (1, 2 & 3mm), cutter angle adjustment tool, hexagonal wrench, brush, magnifier (x10), ISO or ASTM adhesive tape, transit case & user guide				

¹ 6 x 1mm, 6 x 2mm or 6 x 3mm cutter dependent on Part Number

○ Optional Calibration Certificate available.

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Accessories

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Part Number	Description	Methods			Certificate
		ISO	ASTM	AS	
KT1542P001	6 x 1mm Cross Hatch Cutter Wheel	•			○
KT1542P002	6 x 2mm Cross Hatch Cutter Wheel	•	•	•	○
KT1542P003	6 x 3mm Cross Hatch Cutter Wheel	•			○
K0001539M001	Adhesive Tape (1 roll) ASTM D 3359	T9998894-	Adhesive Tape (2 rolls) ASTM D 3359		
K0001539M002	Adhesive Tape (1 roll) ISO 2409	T9999358-	Adhesive Tape (2 rolls) ISO 2409		
KT1542N002	Magnifier (x10)	T99913357	Cross Hatch Brush		

¹ 6 x 1mm, 6 x 2mm or 6 x 3mm cutter dependent on Part Number

○ Optional Calibration Certificate available.