

Elcometer 107 Cross Hatch Cutter

Can be used in accordance with:

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 for adhesion tests provides an instant assessment of the quality of the bond to the substrate. Due to its rugged construction this cross hatch 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, 4 sided cutter allows adhesion testing on a wide range of coating thicknesses (1mm, 1.5mm, 2mm and 3mm)

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

Technical Specifications

Part Number	Description	Cutter Type	Coating Thickness	Certificate
F10713222-1	Elcometer 107 Basic Kit	6 x 1mm	0 - 60µm	o
F10713348-6	Elcometer 107 Full Kit with ISO Tape	6 x 1mm	0 - 60µm	o
F10713348-1	Elcometer 107 Full Kit with ASTM Tape	6 x 1mm	0 - 50µm	o
F10713222-2	Elcometer 107 Basic Kit	11 x 1mm	0 - 50µm	o
F10713348-2	Elcometer 107 Full Kit with ASTM Tape	11 x 1mm	0 - 50µm	o
F10713222-3	Elcometer 107 Basic Kit	11 x 1.5mm	0 - 90µm ¹	o
F10713222-4	Elcometer 107 Basic Kit	6 x 2mm	50 - 125µm	o
F10713348-9	Elcometer 107 Full Kit with ISO Tape	6 x 2mm	61 - 120µm	o
F10713348-4	Elcometer 107 Full Kit with ASTM Tape	6 x 2mm	50 - 125µm	o
F10713222-5	Elcometer 107 Basic Kit	6 x 3mm	121 - 250µm	o

o Optional Calibration Certificate available

* Standards not in bold have been superseded but are still recognised in some industries.

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

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

o Optional Calibration Certificate available.

Selecting the Appropriate Test Kit

Basic Kit	Full Kit with ISO Tape	Full Kit with ASTM Tape	Cutter Type	Number of Teeth
F10713222-1	F10713348-6	F10713348-1	1mm	6
F10713222-2	-	F10713348-2	1mm	11
F10713222-3	-	-	1.5mm	11
F10713222-4	F10713348-9	F10713348-4	2mm	6
F10713222-5			3mm	6

Selecting the Appropriate Elcometer 107 Cutter

Part Number	Test Method	Coating Thickness	Substrate Type	Teeth	Spacing
T99913700-2	ASTM D3359B	0 - 50µm	Metal	11	1mm
T99913700-1	BS EN ISO 2409	0 - 60µm	Hard	6	1mm
T99913700-3	-	0 - 60µm	Medium	11	1.5mm
T99913700-4	BS EN ISO 2409	0 - 60µm	Soft	6	2mm
T99913700-4	ASTM D3559B	50 - 125µm	Hard and Soft	6	2mm
T99913700-4	BS EN ISO 2409	61 - 120µm	Hard and Soft	6	2mm
T99913700-5	Quick Check Only	125 - 250µm	Hard and Soft	6	3mm