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Калуга (4842)92-23-67
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Киров (8332)68-02-04
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Красноярск (391)204-63-61
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Курган (3522)50-90-47
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Набережные Челны (8552)20-53-41
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Новокузнецк (3496)41-32-12
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Орел (4862)44-53-42
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Пенза (8412)22-31-16
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Псков (8112)59-10-37
Пермь (342)205-81-47

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Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

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Тула (4872)33-79-87
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Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
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elcometer®
inspection equipment



Elcometer 4340
Motorised/Automatic Film Applicator

Elcometer 4340

Motorised/Automatic Film Applicator

The **Elcometer 4340** Motorised Film Applicator is essential for preparing a wide variety of product samples including paint, varnish, cosmetics and glue.

Ideal for testing liquids including:
paint, varnish, cosmetics and glue

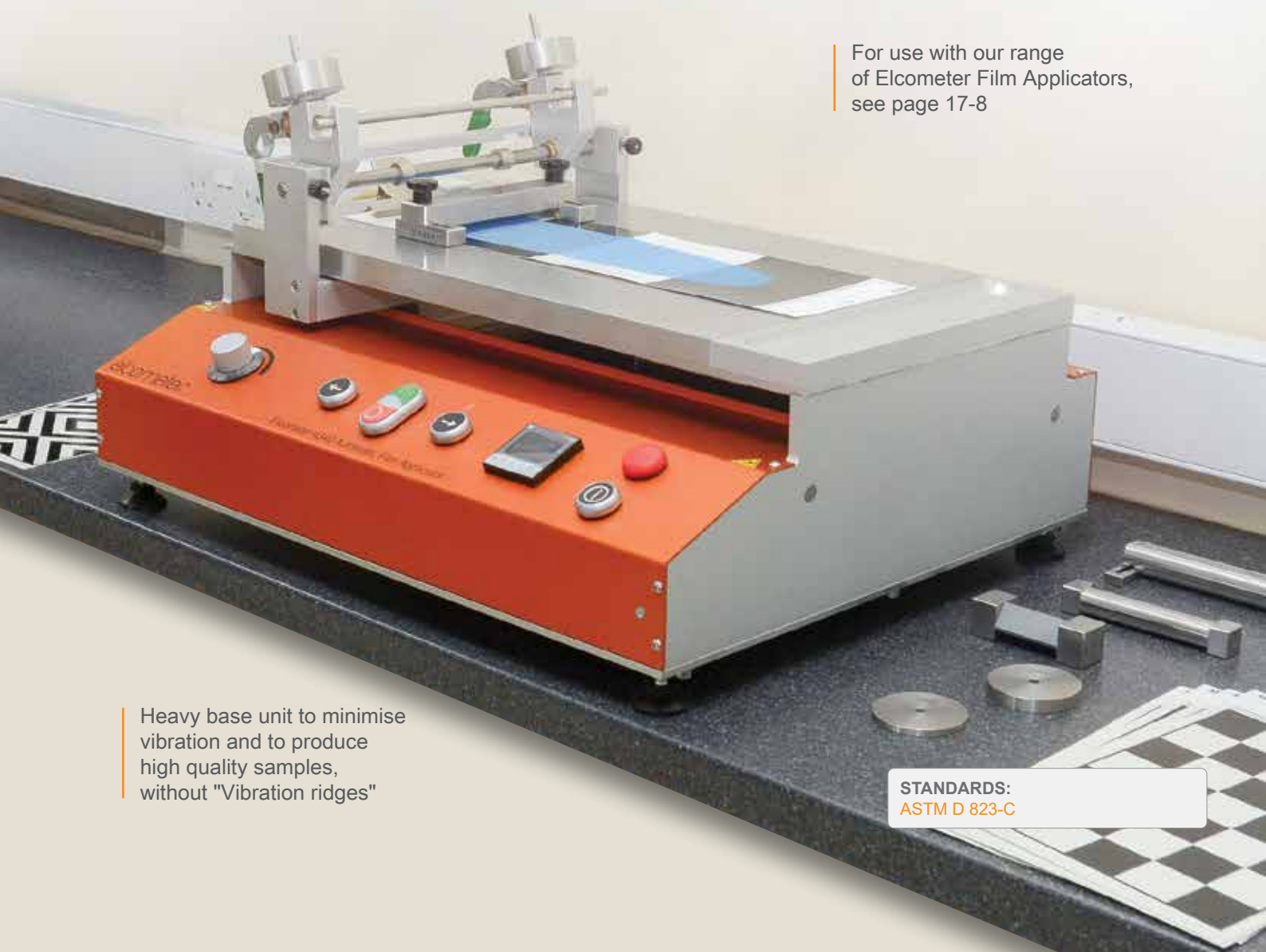
Precision engineered flat aluminium
table for better repeatability
- 5 times flatter than glass

Standard table &
perforated or channelled
vacuum tables available

For use with our range
of Elcometer Film Applicators,
see page 17-8

Heavy base unit to minimise
vibration and to produce
high quality samples,
without "Vibration ridges"

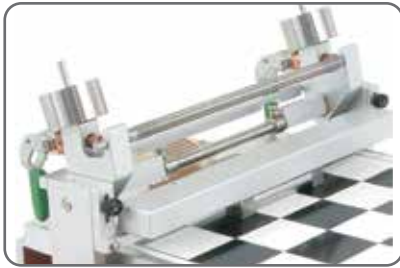
STANDARDS:
ASTM D 823-C



Motorised/Automatic Film Applicator

Elcometer 4340

The Elcometer 4340 provides total consistency and reproducibility on various substrates including contrast charts, sheet steel, plastic foils and glass.



Durable & Rugged

- Sturdy rigid design to eliminate vibration during film application
- Up to 15 years of standard use



Choice of Table

- Standard flat table
- Single and double channelled vacuum tables
- Perforated and heated vacuum tables
- Electrically heated sample tables available for temperature control



Smooth & Repeatable Tests

- Use up to 3 film applicators simultaneously
- Test up to 2 test charts simultaneously
- 11 pre-set transverse speeds from 0.2 - 3.9 inches per second

Elcometer 4340

Motorised/Automatic Film Applicator



The Elcometer 4340 range of Motorised Film Applicators allows the flexibility to test using standard film applicators (filmographs) or spiral bar coaters by using the combined attachment.

Each table is engineered to the highest flatness rating (up to five times flatter than glass) and can be supplied in a number of variations to meet your specific test requirements, simply select the model from the Technical Specification below.

Technical Specification

Part Number	Test Chart Clip	Standard Table	Perforated Vacuum Table ¹	Double Channel Vacuum Table ¹	Electrically Heated Ambient to 200°C (Ambient to 392°F)	Certificate
K4340M10-	■	■				○
K4340M12- ²	■	■			■	○
K4340M100	■		■			○
K4340M102	■			■		○
K4340M120 ²	■		■		■	○
Dimensions	780 x 490 x 320mm (30.7 x 19.3 x 12.6")					
Table Dimensions ³	600 x 305mm (23.6 x 12") ⁴ / 521.75 x 305mm (20.5 x 12")				Weight	29kg (64lb)
Packing List	Elcometer 4340 Film Applicator, Combined Film Applicator & Spiral Bar Coater Attachment, 3 x mains leads (UK, EUR & US) and operating instructions					

Motorised Film Applicator Attachments

Models

Models: M10-, M100, M102

Models: M12-, M120

KT004340N001	KT004340N101	Film Applicator Attachment
KT004340N002	KT004340N102	Spiral Bar Coater Attachment*
KT004340N003	KT004340N103	Combined Film Applicator & Spiral Bar Coater Attachment*

¹ Vacuum Pump supplied separately (Elcometer 4930, see page 17-6)

³ Excluding run-off tray

○ Optional Calibration Certificate available.

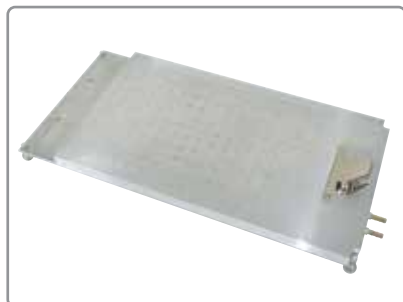
² For 110V unit, add D to end of part number, e.g. K4340M120D

⁴ Table dimension size only applies to part numbers K4340M10-

* Each Spiral Bar Coater Attachment is supplied with a rubber mat

Free Standing Vacuum Tables

Elcometer 4340



Elcometer 4900 free standing vacuum tables provide an ideal surface for manual application of films on test charts or samples. Made of perforated aluminium, the Elcometer 4900 keeps a wide range of test pieces absolutely flat (2.3µm variation over a 100mm length), including glass, plastic sheets, contrast charts, etc., ideal for thicker, more substantial test pieces.

Elcometer vacuum tables are engineered to be flat and precise with little variation for “perfect” flatness. All Elcometer standard tables, channelled and perforated vacuum tables are 5 times flatter than glass.

Technical Specification

Part Number	Description	Paper Size	Table Dimensions	
			mm	inches
K0004900M001	Perforated Vacuum Table	A4	305 x 225	12 x 8.9
K0004900M002	Standard Vacuum Table	A3	521.75 x 305	20.5 x 12

Accessories

KTUK4930M001	Vacuum Pump (UK 240V) -	used to provide vacuum to the Vacuum Tables
KT004930M001	Vacuum Pump (EUR 220V) -	used to provide vacuum to the Vacuum Tables
KTUS4930M001	Vacuum Pump (US 110V) -	used to provide vacuum to the Vacuum Tables

Non-Slip Rubber Mat

Elcometer 4350

A non-slip rubber mat designed to minimise surface defects. Suitable for use with the Elcometer Spiral Bar Coaters and the Elcometer 4340 Motorised Film Applicators.



Technical Specification

Part Number	Description	Depth		Dimensions	
		mm	inches	mm	inches
KT004350P052	Elcometer 4350/52 Non-Slip Rubber Mat	5	0.2"	510 x 250	20 x 9.8

Elcometer 4350 Non-Slip Rubber Mat

A non-slip rubber mat designed to minimise surface defects.

Suitable for use with the Elcometer Spiral Bar Coaters and the Elcometer 4340 Motorised Film Applicators.

**Technical Specification**

Part Number	Description	Depth		Dimensions	
		mm	inches	mm	inches
KT004350P052	Elcometer 4350/52 Non-Slip Rubber Mat	5	0.2"	510 x 250	20 x 9.8

Elcometer 4900 Free Standing Vacuum Tables

Elcometer 4900 free standing vacuum tables provide an ideal surface for manual application of films on test charts or samples.

Made of perforated aluminium, the Elcometer 4900 keeps a wide range of test pieces absolutely flat (2.3µm variation over a 100mm length), including glass, plastic sheets, contrast charts etc. ideal for thicker, more substantial test pieces.

Elcometer vacuum tables are engineered to be flat and precise with little variation for “perfect” flatness. All Elcometer standard tables, channelled and perforated vacuum tables are 5 times flatter than glass.



Technical Specification

Part Number	Description	Paper Size	Table Dimensions	
			mm	inches
K0004900M001	Perforated Vacuum Table	A4	305 x 225	12 x 8.9
K0004900M002	Standard Vacuum Table	A3	521.75 x 305	20.5 x 12

Accessories

KTUK4930M001	Vacuum Pump (UK 240V) -	used to provide vacuum to the Vacuum Tables
KT004930M001	Vacuum Pump (EUR 220V) -	used to provide vacuum to the Vacuum Tables
KTUS4930M001	Vacuum Pump (US 110V) -	used to provide vacuum to the Vacuum Tables

Elcometer 4360 & 4361 Spiral Bar Coaters

Made of stainless steel and consisting of a cylindrical bar wound with stainless steel wire, these spiral bar coaters are used to apply a predetermined thickness for coatings with high levelling characteristics.

- A wide range of different wire diameters to measure coating thicknesses from 4 to 500µm (0.157 to 19.685mils).
- 2 standard bar widths are available, 140mm (5.5") or 250mm (9.8"), allowing the user to apply the correct film width dependent on the substrate or test chart width. Other widths are available on request.

Ideal for use with the Elcometer 4340 Motorised Film Applicators.

A range of standard and heated vacuum tables are available.



STANDARDS:

ASTM D 4147

Technical Specification

Bar Width 250mm (9.8")		Coating Thickness				Coating Thickness	
Part Number	Model	µm	mils	Part Number	Model	µm	mils
K0004360P001	Elcometer 4360/1	4	0.157	K0004360P017	Elcometer 4360/17	66	2.598
K0004360P002	Elcometer 4360/2	6	0.236	K0004360P018	Elcometer 4360/18	70	2.755
K0004360P003	Elcometer 4360/3	8	0.315	K0004360P019	Elcometer 4360/19	76	2.992
K0004360P004	Elcometer 4360/4	10	0.393	K0004360P020	Elcometer 4360/20	80	3.149
K0004360P005	Elcometer 4360/5	12	0.472	K0004360P021	Elcometer 4360/21	90	3.543
K0004360P006	Elcometer 4360/6	16	0.630	K0004360P022	Elcometer 4360/22	100	3.937
K0004360P007	Elcometer 4360/7	20	0.787	K0004360P023	Elcometer 4360/23	110	4.330
K0004360P008	Elcometer 4360/8	26	1.024	K0004360P024	Elcometer 4360/24	120	4.724
K0004360P009	Elcometer 4360/9	30	1.181	K0004360P025	Elcometer 4360/25	130	5.118
K0004360P010	Elcometer 4360/10	34	1.338	K0004360P026	Elcometer 4360/26	140	5.511
K0004360P011	Elcometer 4360/11	38	1.496	K0004360P027	Elcometer 4360/27	150	5.905
K0004360P012	Elcometer 4360/12	40	1.574	K0004360P029	Elcometer 4360/29	175	6.890
K0004360P013	Elcometer 4360/13	46	1.811	K0004360P030	Elcometer 4360/30	200	7.874
K0004360P014	Elcometer 4360/14	50	1.968	K0004360P031	Elcometer 4360/31	300	11.811
K0004360P015	Elcometer 4360/15	56	2.205	K0004360P032	Elcometer 4360/32	400	15.748
K0004360P016	Elcometer 4360/16	60	2.362	K0004360P033	Elcometer 4360/33	500	19.685

Elcometer 4360 & 4361 Spiral Bar Coaters

Technical Specification

Bar Width 140mm (5.5")		Coating Thickness				Coating Thickness	
Part Number	Model	µm	mils	Part Number	Model	µm	mils
K0004361P001	Elcometer 4361/1	4	0.157	K0004361P017	Elcometer 4361/17	66	2.598
K0004361P002	Elcometer 4361/2	6	0.236	K0004361P018	Elcometer 4361/18	70	2.755
K0004361P003	Elcometer 4361/3	8	0.315	K0004361P019	Elcometer 4361/19	76	2.992
K0004361P004	Elcometer 4361/4	10	0.393	K0004361P020	Elcometer 4361/20	80	3.149
K0004361P005	Elcometer 4361/5	12	0.472	K0004361P021	Elcometer 4361/21	90	3.543
K0004361P006	Elcometer 4361/6	16	0.630	K0004361P022	Elcometer 4361/22	100	3.937
K0004361P007	Elcometer 4361/7	20	0.787	K0004361P023	Elcometer 4361/23	110	4.330
K0004361P008	Elcometer 4361/8	26	1.024	K0004361P024	Elcometer 4361/24	120	4.724
K0004361P009	Elcometer 4361/9	30	1.181	K0004361P025	Elcometer 4361/25	130	5.118
K0004361P010	Elcometer 4361/10	34	1.338	K0004361P026	Elcometer 4361/26	140	5.511
K0004361P011	Elcometer 4361/11	38	1.496	K0004361P027	Elcometer 4361/27	150	5.905
K0004361P012	Elcometer 4361/12	40	1.574	K0004361P029	Elcometer 4361/29	175	6.890
K0004361P013	Elcometer 4361/13	46	1.811	K0004361P030	Elcometer 4361/30	200	7.874
K0004361P014	Elcometer 4361/14	50	1.968	K0004361P031	Elcometer 4361/31	300	11.811
K0004361P015	Elcometer 4361/15	56	2.205	K0004361P032	Elcometer 4361/32	400	15.748
K0004361P016	Elcometer 4361/16	60	2.362	K0004361P033	Elcometer 4361/33	500	19.685



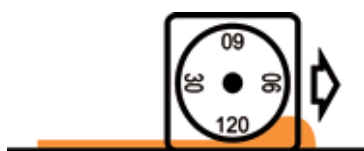
Can be used with the Elcometer 4340 Motorised Film Applicator.

Elcometer 3520 Baker Film Applicator

The Elcometer 3520 Baker Film Applicator is made of hardened stainless steel with a cylindrical applicator body. These gauges apply a coating of specified thickness and film width on flat, relatively firm substrates.

It can also be used with the Elcometer 4340 Motorised Film Applicators.

Each Elcometer 3520 Baker Film Applicator has four high precision specified coating thickness sizes for accuracy and is available in a range of film widths.



Elcometer 3520

STANDARDS:
 ASTM D 823-E

Technical Specification

C

Part Number	Model	Film Thickness				Film Width ⁺	Certificate
Metric		μm				mm	
K0003520M001	Elcometer 3520/1	30,	60,	90,	120	25	○
K0003520M002	Elcometer 3520/2	30,	60,	90,	120	50	○
K0003520M003	Elcometer 3520/3	30,	60,	90,	120	60	○
K0003520M101	Elcometer 3520/101	50,	100,	150,	200	60	○
K0003520M004	Elcometer 3520/4	30,	60,	90,	120	75	○
K0003520M005	Elcometer 3520/5	30,	60,	90,	120	100	○
K0003520M006	Elcometer 3520/6	30,	60,	90,	120	125	○
K0003520M007	Elcometer 3520/7	30,	60,	90,	120	150	○
K0003520M011	Elcometer 3520/11	30,	60,	90,	120	175	○
K0003520M008	Elcometer 3520/8	30,	60,	90,	120	200	○
K0003520M009	Elcometer 3520/9	30,	60,	90,	120	250	○

⁺ Add 30mm (1.2") to the Film Width to calculate the total width of the applicator



Can be used with the Elcometer 4340 Motorised Film Applicator.

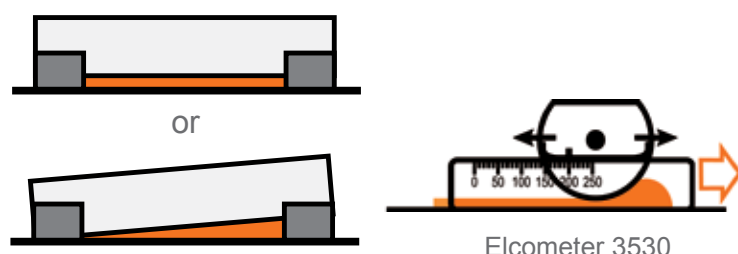
○ Optional Calibration Certificate available.

Elcometer 3525 & 3530 Adjustable Baker Film Applicators

The Elcometer 3525 & 3530 are manufactured using the very latest machining techniques to ensure outstanding accuracy.

These Baker Film Applicators allow the user to select the specific gap size required. The coating thickness gap size can be set to produce either a uniform film or a film wedge. Each film applicator has thickness markings down each side for fast set up.

Available in two gap size ranges and a number of film widths, these stainless steel applicators can be used manually or with the Elcometer 4340 Motorised Film Applicator.



STANDARDS:
 ASTM D 823-E

Technical Specification

C

Part Number		Model	Film Thickness		Film Width ⁺		Certificate
Metric	Imperial		µm	mils	mm	inches	
K0003525M001	-	Elcometer 3525/1	0 - 100	-	50	-	○
K0003525M002	-	Elcometer 3525/2	0 - 100	-	75	-	○
K0003525M003	-	Elcometer 3525/3	0 - 100	-	100	-	○
K0003525M004	-	Elcometer 3525/4	0 - 100	-	150	-	○
K0003525M005	-	Elcometer 3525/5	0 - 100	-	200	-	○
K0003525M006	-	Elcometer 3525/6	0 - 100	-	250	-	○
K0003530M001	K0US3530M001	Elcometer 3530/1	0 - 250	0 - 10	50	2	○
K0003530M002	K0US3530M002	Elcometer 3530/2	0 - 250	0 - 10	75	3	○
K0003530M003	K0US3530M003	Elcometer 3530/3	0 - 250	0 - 10	100	4	○
K0003530M004	K0US3530M004	Elcometer 3530/4	0 - 250	0 - 10	150	6	○
K0003530M005	K0US3530M005	Elcometer 3530/5	0 - 250	0 - 10	200	8	○
K0003530M006	K0US3530M006	Elcometer 3530/6	0 - 250	0 - 10	250	10	○

⁺ Add 30mm (1.2") to the Film Width to calculate the total width of the applicator



Can be used with the Elcometer 4340 Motorised Film Applicator.

○ Optional Calibration Certificate available.

Elcometer 3550 Single Sided Film Applicator

The Elcometer 3550 Single Sided Film Applicators are easy to clean gauges manufactured to the highest accuracy.

These precision ground stainless steel Single Sided Film Applicators have a flat edged prismatic body making them suitable for coatings applied to a flat and relatively strong substrate.

The Elcometer 3550 Single Sided Film Applicator can be used with the Elcometer 4340 Motorised Film Applicators.



STANDARDS:

ASTM D 823-E

Elcometer 3540 Four Sided Film Applicator

The Elcometer 3540 Four Sided Film Applicators are easy to clean gauges manufactured to the highest accuracy.

These precision ground stainless steel Four Sided Film Applicators have 4 thicknesses per applicator each with a flat edged prismatic body making them suitable for coatings applied to a flat and relatively strong substrate.

Available in a range of film widths and can be used with the Elcometer 4340 Motorised Film Applicators.



STANDARDS:

ASTM D 823-E

Can be used with the Elcometer 4340 Motorised Film Applicator



Elcometer 3550 Single Sided Film Applicator

Technical Specification

C

Part Number Metric	Imperial	Model	Film Thickness		Film Width ⁺		Certificate
			µm	mils	mm	inches	
K0003550M001	K0US3550M001	Elcometer 3550/1	50	2	50	2	○
K0003550M002	K0US3550M002	Elcometer 3550/2	50	2	75	3	○
K0003550M003	K0US3550M003	Elcometer 3550/3	50	2	150	6	○
K0003550M201	K0US3550M201	Elcometer 3550/1	75	3	50	2	○
K0003550M202	K0US3550M202	Elcometer 3550/2	75	3	75	3	○
K0003550M203	K0US3550M203	Elcometer 3550/3	75	3	150	6	○

Elcometer 3540 Four Sided Film Applicator

Technical Specification

C

Part Number Metric	Imperial	Model	Film Thickness		Film Width ⁺		Certificate
			µm	mils	mm	inches	
K0003540M001	K0US3540M001	Elcometer 3540/1	50, 100, 150, 200	2, 4, 6, 8	50	2	○
K0003540M002	K0US3540M002	Elcometer 3540/2	50, 100, 150, 200	2, 4, 6, 8	75	3	○
K0003540M003	K0US3540M003	Elcometer 3540/3	50, 100, 150, 200	2, 4, 6, 8	100	4	○
K0003540M004	K0US3540M004	Elcometer 3540/4	50, 100, 150, 200	2, 4, 6, 8	150	6	○
K0003540M005	K0US3540M005	Elcometer 3540/5	50, 100, 150, 200	2, 4, 6, 8	200	8	○
K0003540M006	K0US3540M006	Elcometer 3540/6	50, 100, 150, 200	2, 4, 6, 8	250	10	○

Elcometer 3570 Micrometric Film Applicators

The Elcometer 3570 is made of anodised aluminium with a reservoir and a bevelled blade applicator body, and is suitable for high-precision manual application of high viscosity fluids on to relatively firm substrates.

The gap can be adjusted, in 1 micron intervals, from 0 to 1mm by the inclination of the device, using a micrometric screw.



Elcometer 3570



STANDARDS:

ASTM D 823-E

Technical Specification

C

Part Number	Description	Film Thickness	Film Width ⁺		Certificate
		µm	mm	inches	
K0003570M201	Elcometer 3570/1 Micrometric Film Applicator	0 - 1000	75	3	○
K0003570M002	Elcometer 3570/2 Micrometric Film Applicator	0 - 1000	100	4	○
K0003570M003	Elcometer 3570/3 Micrometric Film Applicator	0 - 1000	150	6	○
K0003570M004	Elcometer 3570/4 Micrometric Film Applicator	0 - 1000	200	8	○

⁺ Add 36mm (1.4") to the Film Width to calculate the total width of the applicator

Elcometer 3580 Casting Knife Film Applicator

The Elcometer 3580 is available in a wide range of film widths and has extended sides to confine the coating during the application and is an ideal gauge for the laboratory.

The film thickness can be adjusted in 10 micron steps from 0 to 6mm by means of two integrated micrometric screws.

Manufactured in anodised aluminium, with a bevelled blade applicator body, the Elcometer 3580 is recommended for manually applying thick, high viscosity fluids, on solid and flat substrates.



Elcometer 3580



STANDARDS:
 ASTM D 823-E

Technical Specification

C

Part Number	Model	Film Thickness	Film Width ⁺		Certificate
		µm	mm	inches	
K0003580M201	Elcometer 3580/1 Casting Knife Film Applicator	0 - 5000	50	2	○
K0003580M202	Elcometer 3580/2 Casting Knife Film Applicator	0 - 6000	75	3	○
K0003580M203	Elcometer 3580/3 Casting Knife Film Applicator	0 - 6000	100	4	○
K0003580M204	Elcometer 3580/4 Casting Knife Film Applicator	0 - 6000	125	5	○
K0003580M005	Elcometer 3580/5 Casting Knife Film Applicator	0 - 6000	150	6	○
K0003580M006	Elcometer 3580/6 Casting Knife Film Applicator	0 - 6000	175	7	○
K0003580M007	Elcometer 3580/7 Casting Knife Film Applicator	0 - 6000	200	8	○

⁺ Add 15mm (0.6") to the Film Width to calculate the total width of the applicator
 Also available in Stainless Steel - Contact Elcometer for further information

Elcometer 3505 Cube Film Applicators

These two cube film applicators, manufactured from hardened stainless steel, accurately apply film stripes in either a single or up to a block of five film stripes, each 12mm (0.5" wide).

Ideal for preparing samples for use with the Elcometer 5300 Linear Drying Time Recorder (see page 18-2) or for simultaneously comparing formulations. Each cube film applicator is supplied with a set of nineteen thickness gauges from 30 - 1000µm (1 - 40mils) to adjust the film thickness.



STANDARDS:

ASTM D 823-E, ASTM D 1640-03

Technical Specification

C

Part Number	Metric	Imperial	Model	Film Thickness		Film Width ⁺		Number of Stripes
				µm	mils	mm	inches	
K0003505M001	-		Elcometer 3505/1	30 - 1000	1 - 40	12	0.50	1
K0003505M202	-		Elcometer 3505/2	30 - 1000	1 - 40	12	0.50	5

⁺ Elcometer 3505/1 total width: 26mm (1.0"); Elcometer 3505/2 total width: 146mm (5.7")

Accessories

KT003600P001	19 Metric Thickness Gauges for Calibration (30-40-50-60-70-80-90-100-150-200-250-300-400-500-600-700-800-900-1000µm)
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Elcometer 3508 & 3560 4 Gap Applicator with Reservoir

These film applicators are precision engineered from hardened stainless steel to provide four film thicknesses in one gauge. Simply rotate the applicator to the required thickness, fill the reservoir with the test coating and draw down a uniform stripe.

The Elcometer 3508 is supplied with two reservoirs, ideal for preparing samples for the Elcometer 1720 Abrasion and Washability Testers or for comparing two coatings simultaneously.



STANDARDS:
ASTM D 823-E (Elcometer 3560)

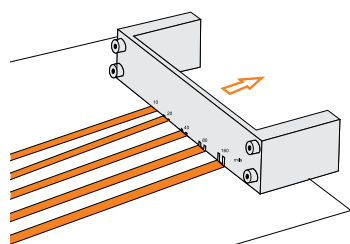
Technical Specification							C
Part Number		Model	Film Thickness		Film Width ⁺		Certificate
Metric	Imperial		µm	mils	mm	inches	
K0003560M201	K0US3560M201	Elcometer 3560/1	30, 60, 90, 120	1, 2, 3, 4	60	2	○
K0003560M202	K0US3560M202	Elcometer 3560/2	50, 100, 150, 200	2, 4, 6, 8	60	2	○
K0003508M001	K0US3508M001	Elcometer 3508/1	100, 150, 200, 250	4, 6, 8, 10	2 x 50	2 x 2	○

⁺ Elcometer 3560 total width: 90mm (3.5"); Elcometer 3508 total width: 165mm (6.5")

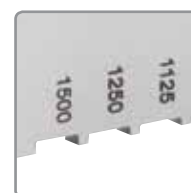
Elcometer 4270 Sag Tester

Made from stainless steel, the straight scraper has 11 notches of increasing clearance. The Elcometer 4270 Sag Tester is used to establish a coating's resistance to sag due to gravity.

A contrast chart is immediately placed in a vertical position with the thinnest film at the top.



Elcometer 4270



STANDARDS:

ASTM D 4400, FTMS 141 4494.1

Technical Specification

C

Part Number	Metric	Imperial	Description ⁺	Range		Notch Depth		Certificate
				µm	mils	µm	mils	
K0004270M001	K0US4270M001		Elcometer 4270/1	75 - 300	3 - 12	75, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300	3, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	○
K0004270M002	K0US4270M002		Elcometer 4270/2	25 - 150	1 - 6	25, 37, 50, 62, 75, 87, 100, 112, 125, 137, 150	1, 1.5, 2., 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6	○
K0004270M203	K0US4270M203		Elcometer 4270/3	350 - 1500	14 - 60	350, 400, 450, 500, 620, 750, 875, 1000, 1125, 1250, 1500	14, 16, 18, 20, 25, 30, 35, 40, 45, 50, 60	○
K0004270M204	K0US4270M204		Elcometer 4270/4	100 - 600	4 - 24	100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	○

⁺ Elcometer 4270 total width: 127mm (5")

elcometer®
inspection equipment



Elcometer 4695
Test Charts

Test Charts

Elcometer 4695



STANDARDS:
AS/NZS 1580.213.1, ASTM D 344,
ASTM D 2805, ASTM D 2486,
ASTM D 5150, ASTM D 6441,
BS 3900-D4, DIN 53162-2,
FTMS 141 4121, ISO 2814

Leneta Test Charts

Elcometer supplies a wide range of Leneta Test Charts, from plain white to those having different patterns of black and white. Made from naturally bright, non-flourescent white paper, these charts contain no optical brighteners that can affect instrumental colour measurements.

Leneta Test Charts are the market standard in today’s coatings industry.

Foil Card substrates of steel, aluminium, glass and plastic are also available.

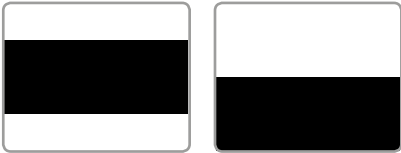
Leneta Test Charts are available in boxes & cases.

Elcometer 4695



Form 2A

Form 2C



Form 3B

Form 5C

Opacity Charts

The term “Opacity Chart” refers to charts on which the test pattern is a simple combination of black and white areas, large enough for wider aperture reflectance instruments, as well as for visual opacity and colour observations.

Used to test the hiding power of the coating, using large black and white areas.

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M003	K0004695M203	Leneta Chart 2A	140 x 254	5 1/2 x 10	2.72kg (6lb)	250	6
K0004695M004	-	Leneta Chart 2C	194 x 260	7 5/8 x 10 1/4	4.08kg (9lb)	250	4
K0004695M006	K0004695M206	Leneta Chart 3B	194 x 289	7 5/8 x 11 3/8	4.08kg (9lb)	250	4
K0004695M015	K0004695M215	Leneta Chart 5C	194 x 260	7 5/8 x 10 1/4	4.08kg (9lb)	250	4



Can be used with the Elcometer 4340 Motorised Film Applicator

Brushout Cards

Designed for informal brushout applications, thicker paper is used for the testing of coatings applied with a brush or roller.

The paper stock is almost twice the thickness of regular chart paper to give greater rigidity for more convenient handling - nominal thickness 0.5mm (20 mils).

Brushout Cards are also used widely for drawdowns and colorimetric measurements.

Elcometer 4695



Form 2DX



Form 5DX



Form WDX

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M005	K0004695M205	Leneta Chart 2DX	98 x 152	3 7/8 x 6	3.18kg (7lb)	500	4
K0004695M016	K0004695M216	Leneta Chart 5DX	98 x 152	3 7/8 x 6	3.18kg (7lb)	500	4
K0004695M102	K0004695M302	Leneta Chart WDX	98 x 152	3 7/8 x 6	3.18kg (7lb)	500	4

Duplex Applicator Charts

Elcometer 4695

Originally made to be used with the Duplex Film Applicator, an instrument designed for rapid production of side-by-side drawdowns, they now serve mostly as generic paint test charts.



Form WF

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M103	-	Leneta Chart WF	76 x 184	3 x 7 1/4	2.27kg (5lb)	500	-

Can be used with the Elcometer 4340 Motorised Film Applicator



Test Charts

Elcometer 4695

Display Charts/Spreading Rate

Display Chart



Form 8B

Spreading Rate Chart



Form 8H

These charts employ time-tested, diagonally striped patterns, having a strong visual impact that emphasises variations in film opacity. They are frequently used for hiding power display purposes, by means of drawdowns or brushouts.

Spreading Rate Charts (Form 8H) are accurately 0.1 square metres (approximately one square foot) in area, and are used in brushout hiding tests at specified spreading rates as described in ASTM Method D 344.

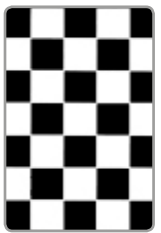
Technical Specification

Part Number		Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
Box	Case		mm	inches			
K0004695M022	K0004695M222	Leneta Chart 8B	194 x 289	7 5/8 x 11 3/8	4.08kg (9lb)	250	4
K0004695M023	K0004695M223	Leneta Chart 8H	286 x 438	11 1/4 x 17 1/4	5kg (11lb)	125	4

Elcometer 4695

Checkerboard Charts

Display Chart



Form 10B

One of the earliest hiding power test surfaces was linoleum with a black and white checkerboard pattern, this was soon replaced by sealed paperboard charts.

Checkerboard Rate Charts are typically used in drawdown hiding tests.

Technical Specification

Part Number		Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
Box	Case		mm	inches			
K0004695M030	-	Leneta Chart 10B	194 x 289	7 5/8 x 11 3/8	4.08kg (9lb)	250	4



Can be used with the Elcometer 4340 Motorised Film Applicator

Metopac™ Metal Test Panels

Painted steel panels, used for measuring the hiding power of powder coatings and industrial enamels.

Available in half black/half white and all black.

Black surface:

Solvent Resistant, Non bleeding, Reflective

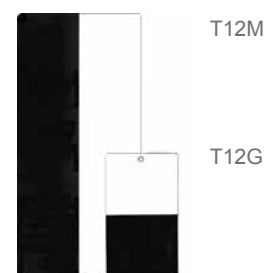
- 1% maximum, measured according to ASTM Method E1347

White surface:

Solvent Resistant, Colour Retentive, Reflective, Reflectance

- 80% minimum, measured according to ASTM Method E1347

Elcometer 4695



Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M094	K0004695M294	Leneta Panel T12G	76 x 132	3 x 5 ³ / ₁₆	3.63kg (8lb)	125	4
K0004695M095	K0004695M295	Leneta Panel T12M	132 x 279	5 ³ / ₁₆ x 11	1.81kg (4lb)	50	4

Plain White Charts

Available in varying thicknesses and size. The Leneta WDX card comes with convenience hole at the top.

Elcometer 4695



Technical Specification

Part Number		Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
Box	Case		mm	inches			
Card thickness 0.5mm							
K0004695M102	K0004695M302	Leneta Chart WDX	98 x 152	37/8 x 6	3.18kg (7lb)	500	4
Card thickness 0.3mm							
K0004695M103	-	Leneta Chart WF	76 x 184	3 x 71/4	2.27kg (5lb)	500	6

Can be used with the Elcometer 4340 Motorised Film Applicator



Elcometer 4695



Form N2A

Unvarnished Test Charts

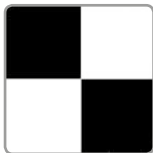
Unvarnished Test Charts are ideal for testing applications of clear coatings and stains.

The unvarnished (semi-porous) surface simulates wood or unsealed wallboard.

Technical Specification

Part Number		Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
Box	Case		mm	inches			
K0004695M064	K0004695M264	Leneta Chart N2A	140 x 254	5 1/2 x 10	2.72kg (6lb)	250	6

Elcometer 4695



Form M12

Spray Monitors - Self Adhesive Hiding Power

These are pressure sensitive labels with a hiding power test pattern and a sealed, solvent-resistant surface. They are used primarily with metal panels on which the panel alone provides no visual clue as to the thickness of the applied paint film.

When placed on such a surface the Monitor presents a contrasting feature by which to observe how well the coating hides the surface, thereby facilitating film thickness control. It adheres firmly whether air-dried or baked, to present a permanent visual record of film opacity.

Technical Specification

Part Number		Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
Box	Case		mm	inches			
K0004695M056	K0004695M256	Leneta Spray Monitor M12	25 x 25	1 x 1	0.91kg (2lb)	2000	4

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижегород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

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Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
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Якутск (4112)23-90-97
Ярославль (4852)69-52-93