

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™



Elcometer 4695
Leneta Test Charts
www.elcometer.com

Elcometer 4695

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.

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

Elcometer 4695

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.



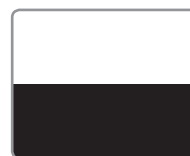
Form 2A



Form 2C



Form 3B



Form 5C



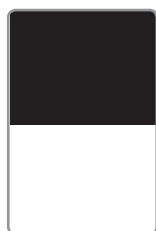
Form 14H

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	K0004695M204	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
K0004695M036	K0004695M236	Leneta Chart 14H	286 x 438	11 1/4 x 17 1/4	5kg (11lb)	125	4

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Brushout Cards



Form 2DX



Form 5DX



Form WDX

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.

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

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Duplex Applicator Charts



Form 6F6



Form WF

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.

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M019	K0004695M219	Leneta Chart 6F6	76 x 184	3 x 7 1/4	2.27kg (5lb)	500	6
K0004695M103	K0004695M303	Leneta Chart WF	76 x 184	3 x 7 1/4	2.27kg (5lb)	500	6

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Display Charts/Spreading Rate

Display Chart

Spreading Rate Chart



Form 8B



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.

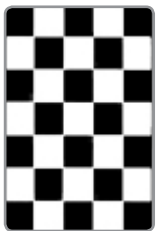
Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per 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

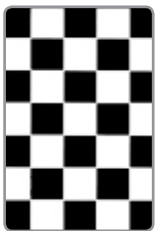
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Checkerboard Charts/Spreading Rate Charts

Display Chart



Form 10A



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.

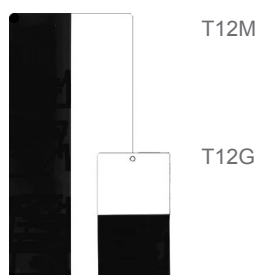
Checkerboard Rate Charts (Forms 10A and 10B) are typically used in drawdown hiding tests.

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
K0004695M029	K0004695M229	Leneta Chart 10A	140 x 254	5 ¹ / ₂ x 10	2.27kg (6lb)	250	6
K0004695M030	K0004695M230	Leneta Chart 10B	194 x 289	7 ⁵ / ₈ x 11 ³ / ₈	4.08kg (9lb)	250	4

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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.

The black surface:

Solvent Resistant, Non bleeding, Reflective
- 1% maximum - measured using ASTM Method E1347

White surface:

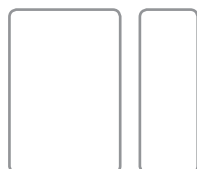
Solvent Resistant, Colour Retentive, Reflective, Reflectance
- 80% minimum - measured using ASTM Method E1347

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

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Plain White Charts



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

Technical Specification

Part Number Box	Case	Description	Chart Dimensions		Box Weight	Quantity per Box	Boxes per Case
			mm	inches			
Card thickness 0.5mm							
K0004695M102	K0004695M302	Leneta Chart WDX	98 x 152	3 ⁷ / ₈ x 6	3.18kg (7lb)	500	4
Card thickness 0.3mm							
K0004695M103	K0004695M303	Leneta Chart WF	76 x 184	3 x 7 ¹ / ₄	2.27kg (5lb)	500	6

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Unvarnished Test Charts



Form N2A

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

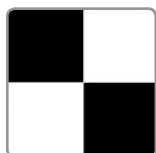
The unvarnished (semi-porous) surface simulates wood or unsealed wallboard.

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

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Spray Monitors - Self Adhesive Hiding Power



Form M12

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

Related Products



Elcometer 4340 Motorised Film Applicator

When preparing a wide range of samples with different coatings and on various substrates, the Elcometer 4340 film applicator is the unit for you. Designed with 11 pre-set speeds, coatings can be applied with total consistency. A range of tables and adaptations can be selected. Vacuum, electromagnetic or heated tables, drying time recorders and gelatine devices are available.



Elcometer 1720 Abrasion Tester

This robust and easy to use Abrasion Tester is extremely flexible and is designed to test the washability, brushability and abrasion resistance of a wide range of materials, including paint, lacquers, inks, coatings and much much more. Unlike most washability testers, this unit is easy to set up and is available as either a 2 or 4 station model and can measure on flat or curved surfaces.