



# Test Surfaces for the Paint & Coatings Industry

THE INDUSTRY STANDARD SINCE 1956

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## OPACITY CHARTS

Used to evaluate hiding power, contrast ratio or opacity of coatings, instrumentally or visually.



**Form 2A**  
5 1/2x 10 in  
(140 x 254 mm)



**Form 2C**  
7 5/8x 10 1/4 in  
(194 x 260 mm)



**Form 5C**  
7 5/8x 10 1/4 in  
(194 x 260 mm)



**Form 3B**  
7 5/8x 11 3/8 in  
(194 x 289 mm)

**DISPLAY CHARTS** Diagonally striped patterns have a strong visual impact that emphasizes variation in film opacity. Frequently used to display the hiding power of a coating.



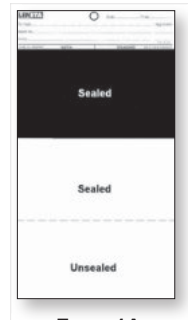
**Form 8A**  
5 1/2x 10 in  
(140 x 254 mm)



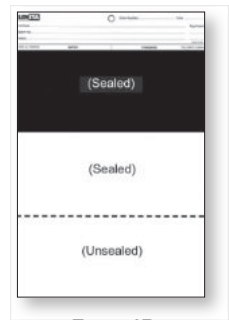
**Form 8B**  
7 5/8x 11 3/8 in  
(194 x 289 mm)

## PENOPAC CHARTS

Combine sealed and unsealed areas to accommodate penetration and opacity tests.



**Form 1A**  
5 1/2x 10 in  
(140 x 254 mm)



**Form 1B**  
7 5/8x 11-3/8 in  
(194 x 289 mm)

## OPACITY-DISPLAY CHARTS

Combine the diagonally striped pattern of Display Charts with the large, unbroken areas of Opacity Charts, making them suitable for both visual and instrumental evaluation.



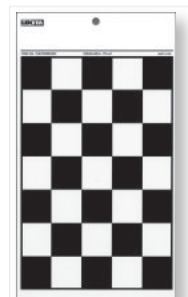
**Form 9A**  
5 1/2x 10 in  
(140 x 254 mm)



**Form 9B**  
7 5/8x 11-3/8 in  
(194 x 289 mm)

## CHECKERBOARD CHARTS

Reminiscent of one of the earliest hiding power test surfaces, linoleum, this pattern facilitates visual evaluation because of the many black/white interfaces.



**Form 10A**  
5 1/2x 10 in  
(140 x 254 mm)



**Form 10B**  
7 5/8x 11-3/8 in  
(194 x 289 mm)

## SPREADING RATE CHARTS

Available in multiple patterns for optimizing visual as well as instrumental evaluation, the design area is 1000cm<sup>2</sup> to comply with ASTM Method D344. Designed for brushout tests at specified spreading rates.



**Form 10H**  
11 1/4x 17 1/4 in  
(286 x 438 mm)



**Form 12H**  
11 1/4x 17 1/4 in  
(286 x 438 mm)

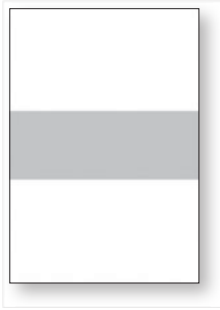
Ready to Order?  
[www.mierniki.eu](http://www.mierniki.eu)

**LENETA**

Unless otherwise stated in the description, all Leneta charts and cards are sealed with a proprietary UV cured topcoat which is impervious to most solvent and water borne coatings, and the paper is free of optical brighteners (OB). Leneta Charts are made with paper that is 14 mils (0.35 mm) thick. Leneta Cards are made with paper that is 20 mils (0.5 mm) thick. The minimum order for Leneta Charts and Cards is one box and the number of sheets per box varies. See the Leneta price list, complete catalog or website for number of sheets per box and boxes per case.

## WALL-MATTE CHARTS

Large area matte finish test surfaces for practical laboratory application testing. Charts are coated with a special matte finish to minimize surface "skid" during roller or brush application. Surface is well sealed so both waterborne and solvent borne coatings can be applied with no penetration of vehicle into the substrate.



**Form 26-1M**  
20 x 28 in  
(508 x 711mm)



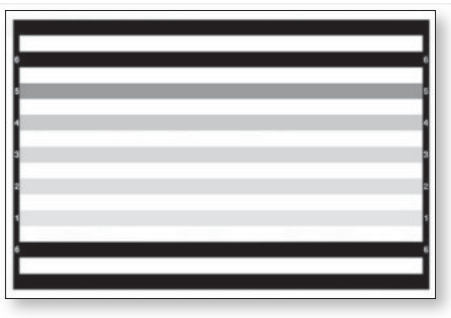
**Form 26-2M**  
28 x 40 in  
(711 x 1046 mm)

## GRAY SCALE CHARTS

Feature six stripes in uniform steps of increasing contrast from very light gray to black. Hiding power of applied coating is rated as the number of the darkest stripe completely obscured at a specified coating thickness. The large format chart, Form CU-1M, is used for brush or roller applications and complies with ASTM D5150. Form 24B is used for drawdown applications.



**Form 24B**  
7 5/8 x 11 3/8 in  
(194 x 289 mm)



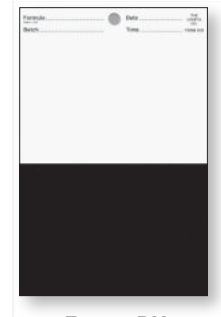
**Form CU-1M**  
24 x 37 1/4 in (610 x 946 mm)  
Test Area 6 ft<sup>2</sup> · 5574 cm<sup>2</sup>

## BRUSHOUT CARDS

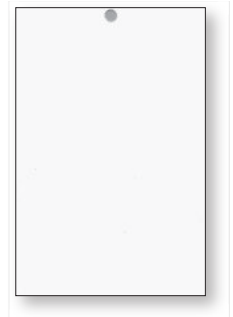
are designed for informal brushout applications where surface smoothness is not as critical. Cards are thicker than charts to increase rigidity.



**Form 2DX**  
3 7/8 x 6 in  
(98 x 152mm)



**Form 5DX**  
3 7/8 x 6 in  
(98 x 152mm)



**Form WDX**  
3 7/8 x 6 in  
(98 x 152mm)

## ALSO AVAILABLE:

- » UNSEALED TEST CHARTS
- » CLEAR POLYESTER PANELS
- » RELEASE PAPER
- » NON-STICK INTERLEAF PAPER
- » ALU-CARDS
- » BLACK GLASS PANELS

## PLAIN WHITE CHARTS

Special sizes available on request. Thicker, more rigid paper stock also available.

FORM NO.	SIZE
<b>*WA</b>	5 1/2 x 10 inch • 140 x 254 mm
<b>*WB</b>	7 5/8 x 11 1/4 inch • 194 x 286 mm
<b>*WD</b>	3 7/8 x 6 inch • 98 x 152 mm
<b>WF</b>	3 x 7 1/4 inch • 76 x 184 mm
<b>WG</b>	3 x 5 1/2 inch • 76 x 140 mm
<b>WH</b>	11 1/4 x 17 1/4 inch • 286 x 438 mm
<b>WK</b>	8 5/8 x 11 1/4 inch • 219 x 286 mm

\*Indicates convenience hole at top

## PRINTING INK DRAWDOWN SHEETS

Unsealed sheets come in a variety of papers to provide a range of surfaces for testing inks.

FORM NO.	PAPER TYPE	SHADE	GRAMMAGE (G/M <sup>2</sup> ) CALIPER MILS (μm)
<b>3NT-11</b>	Vellum Opaque with OB	Neutral White	89 / 5.0 (127)
<b>3NT-21</b>	Translucent with OB	Neutral White	64 / 2.9 (74)
<b>3NT-31</b>	Coated Book Gloss Finish with OB	Neutral White	118 / 3.7 (94)
<b>3NT-35</b>	Coated Book Matt Finish with OB	Neutral White	118 / 5.0 (117)
<b>3NT-41</b>	Regular Bond	Neutral White	91 / 4.0 (102)
<b>3NT-51</b>	Unbleached Kraft	Brown	65 / 4.0 (102)

Sheet Size: 5 x 7-5/8 (127 x 194 mm) Padding: 100 sheets per pad

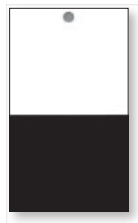
Packaging: 1000 sheets (10 pads) per box (3NT-35 is 5 pads, 500 sheets per box)

Paper: Unwatermarked, non-fluorescent except as noted above. OB = Optical Brighteners

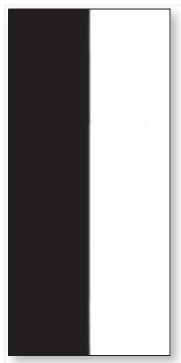
**Quality. Selection. Service. Learn more at [mierniki.eu](http://mierniki.eu)**

### METOPAC™ PANELS

These solvent resistant black and white painted metal panels are designed for use with powder coatings and other bakeable coatings. Complies with ASTM D6441 and D2805.



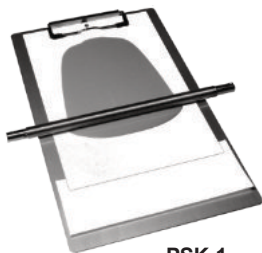
**T12G**  
3 x 5 3/16 in  
(76 x 132 mm)



**T12M**  
5 3/16 x 11 in  
(132 x 279 mm)

### PAINT-OUT STARTER KIT

Contains everything required to make a professional quality drawdown, except the paint. Economically priced, and perfect for the novice or experienced technician.



**PSK-1**

### BLADE APPLICATORS

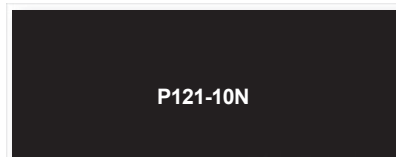
Leneta offers a range of blade type applicators that includes the popular Bird Applicator as well as the Dow Film and "U" Shaped applicators



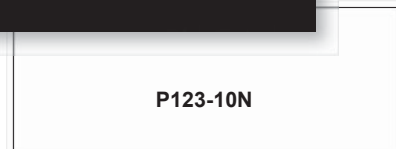
**BIRD®  
AB-62**

### SCRUB TEST PANELS

Vinyl Chloride/acetate copolymer panels with a smooth matte surface, plasticizer free. Available in black or white. Comply with ASTM D2486, D4213 and ISO 11918. Size: 6 1/2 x 17 in (165 x 432 mm) Thickness: 10 mils (0.25 mm)



**P121-10N**



**P123-10N**

### SPRAY MONITORS

Self adhesive labels with a hiding power test pattern and a sealed, solvent resistant surface.



**M12**  
1 x 1 in  
(25 x 25 mm)



**M33**  
2 x 2 in  
(51 x 51 mm)



**M72**  
2 x 11 in  
(51 x 279 mm)

### Scrub Media

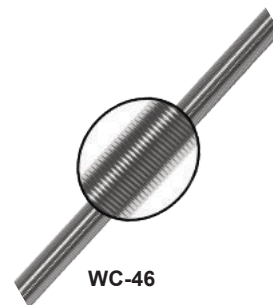
Aqueous dispersions of detergent, cellulosic thickener and preservative. The abrasive type contains ground silica. Complies with ASTM D2486, D3450 and D4213.



**SC-1, SC-2**

### WIRE-CATORS

Stainless steel wire-wound rods, 12 inches (305 mm) long, 10 inches (254 mm) winding, 1/2 inch (12.7 mm) rod diameter. Wire diameter determines the wet film thickness applied. Available for wet film thicknesses from 0.18 mils (4.5 μ) to 6 mils (150 μ). Reduces need for a vacuum plate as bar smooths chart as the coating is applied.



**WC-46**

### DRAWDOWN PLATES

Solid glass drawdown plates with spring clip and rubber feet.

Available in two sizes:  
GDP-1: 10 x 16 in (254 x 406 mm) for general use with Leneta Charts  
GDP-3: 8 1/2 x 22 in (216 x 559 mm) for drawdowns on Leneta Scrub Test Panels.



**PAINT TEST CHARTS + INK TEST SHEETS + TEST EQUIPMENT**

**mierniki.eu**



PHU AKO ul. Chabrowa 71 81-079 Gdynia  
tel./fax +48 (58) 698-75-85 +48 607-232-824  
[www.mierniki.eu](http://www.mierniki.eu)