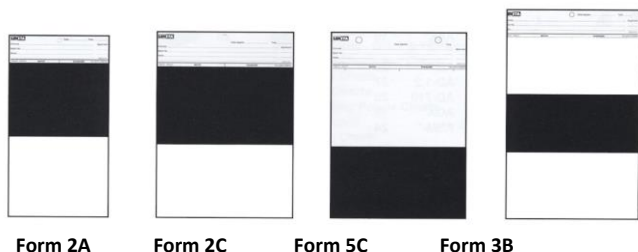


Opacity Cards

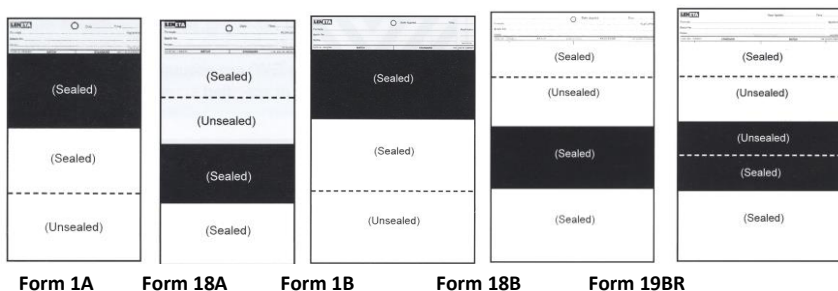
The term “Opacity Chart”, as used in this catalog, refers to charts on which the test pattern is a simple combination of black and white areas, large enough for wide aperture reflectance instruments, as well as for visual opacity and color observations. Leneta opacity charts comply with all test methods specifying charts of such design..



Opacity Cards			Box
Code	Model	Size	Units
0224951	2A	140 x 254 mm	250
0224958	2C	194 x 260 mm	250
0224952	5C	194 x 260 mm	250
0224959	3B	194 x 289 mm	250

Penopac Cards

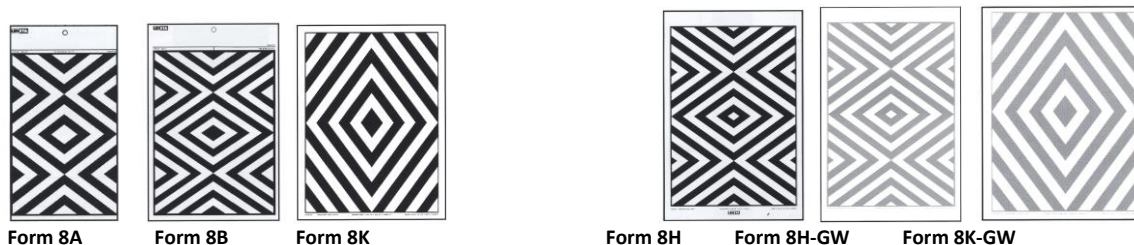
These combine the test areas and functions of a *penetration* and an *opacity* chart. They can be considered as universal test charts for research, development and quality control. The choices offered in size and design are responsive to individual laboratory needs and preferences. Form 19BR includes an unsealed black area, but is otherwise equivalent in functionality.



Penopac Cards			Box
Code	Model	Size	Units
0224960	1A	140 x 254 mm	250
0224961	1B	194 x 289 mm	250
0224962	18A	140 x 254 mm	250
0224963	18B	194 x 289 mm	250
0224964	19BR	194 x 289 mm	250

Display Cards – Sample Cards / Dispersion Speed Cards

These charts employ time-tested diagonally striped patterns, having a strong visual impact that emphasizes variations in film opacity. They are therefore frequently used for hiding power display purposes, by means of drawdowns or brushouts. Gray stripes in Form 8H-GW and 8K-GW provide reduced substrate contrast for use with low hiding power coatings. Spreading Rate Charts (Forms 8H and 8H-GW) are accurately 0.1 square meters (approximately one square foot) in area, and are used in brushout hiding tests at specified spreading rates as described in ASTM Method D 344.

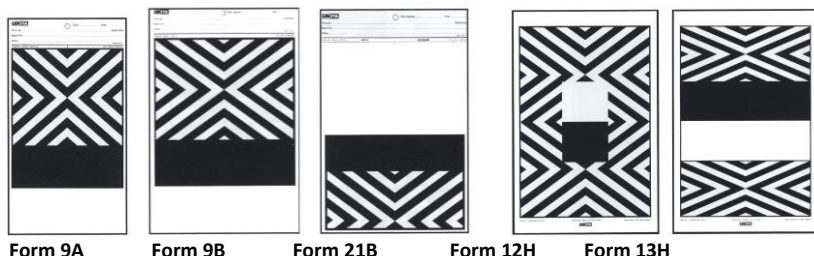


Sample Cards			Box
Code	Model	Size	Units
0224965	8A	140 x 254 mm	250
0224966	8B	194 x 289 mm	250
0224967	8K	219 x 285 mm	125

Dispersion Speed Cards			Box
Code	Model	Size	Units
0224968	8H	286 x 438 mm	125
0224969	8H-GW	286 x 438 mm	125
0224970	8K-GW	219 x 285 mm	250

Opacity-Visuals-Opacity measurement cards / Dispersion speed cards

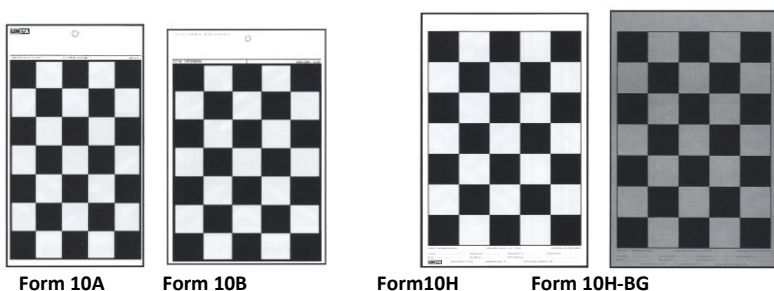
Charts of this type combine the large, unbroken areas that are characteristic of Opacity Charts, with the striped design of a Display Chart. The larger areas permit wide aperture photometric measurements and visual color comparisons, while the striped area is uniquely effective for hiding power comparison and display. Spreading rate Charts (forms 12H and 13H) are accurately 0,1 square meters in area, and are designed for brushout application at specified spreading rates.



Opacity Cards - Visuals			Box
Code	Model	Size	Units
0224971	9A	140 x 254 mm	250
0224972	9B	194 x 289 mm	250
0224973	21B	194 x 289 mm	250
0224974	12H	286 x 438 mm	125
0224975	13H	286 x 438 mm	250

Chessboard – Square cards/ Dispersion speed cards

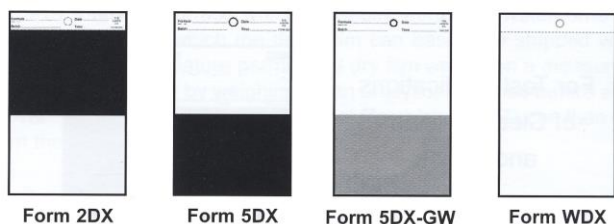
One of the earliest hiding power test surfaces was linoleum with a black and white checkerboard pattern. This was soon replaced by sealed paperboard charts of which Forms 10H and 10H-BG Spreading Rate Charts are typical examples. Designed for brushout tests at specified spreading rates such as in ASTM Method D 344 and Canadian 1-GP-71, they are also used for drawdown applications like their smaller counterparts Forms 10A and 10B. Black and gray squares in Form 10H-BG provide reduced contrast for testing coatings with lower hiding power.



Chessboard Cards			Box
Code	Model	Size	Units
0224976	10A	140 x 254 mm	250
0224977	10B	194 x 289 mm	250
0224978	10H	286 x 438 mm	125
0224979	10H-BG	286 x 438 mm	125

Brushout cards

Designed for informal brushout applications, the paper stock is almost twice the thickness of regular chart paper to give greater rigidity for more convenient handling. They are also used widely for drawdowns and colorimetric measurements.



Brush Cards			Box
Code	Model	Size	Units
0224954	2DX	98 x 152 mm	500
0224957	5DX	98 x 152 mm	500
0224980	5DX-GW	98 x 152 mm	500
0224955	WDX	98 x 152 mm	500

Duplex Applicator Charts

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



Form 6F6



Form 6F4



Form WF

Duplex Application cards			Box
Code	Model	Size	Units
0224981	6F6	76 x 184 mm	500
0224982	6F4	76 x 184 mm	500
0224983	WF	76 x 184 mm	500

Plain White cards and Plain Black cards

They are available in different thickness and sizes. The WBX, WDX, WA and WB Leneta Cards all have a hole at the top.

White Cards (Nominal Thickness: 0,5 mm (20 mils))			
Code	Model	Size	Units
0224984	*WBX	194 x 286 mm	125
0224955	*WDX	98 x 152 mm	500
0224985	WKX	219 x 286 mm	125
0224986	WHX	286 x 438 mm	75
White Cards (Nominal Thickness: 0,3 mm (12 mils))			
0224987	*WA	140 x 254 mm	250
0224988	*WB	194 x 286 mm	250
0224989	*WD	98 x 152 mm	1000
0224983	WF	76 x 184 mm	500
0224990	WG	76 x 140 mm	1000
0224991	WH	286 x 438 mm	125
0224992	WK	219 x 286 mm	250
0224993	WM	140 x 286 mm	250
Black Cards (Nominal Thickness: 0,3 mm (12 mils))			
0224994	BK	219 x 286 mm	250
0224995	BH	286 x 438 mm	125
0224996	**B-3	143 x 813 mm	200

* Indicates convenience hole at top.
** Specified for Dupont Paintbrush Evaluation Test.

Contrast card without enamel

The cards without enamel are appropriate for light-coloured coatings and blotch applications.

The unvarnished surface (semiporous) simulates wood or unsealed plywood.



Form N2C



Form N2A

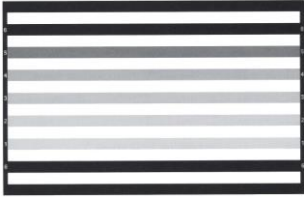
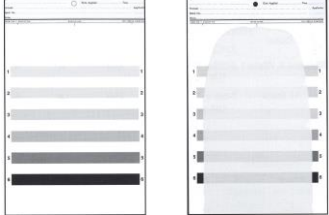


Form N9A

Contrast Cards without enamel			Box
Code	Model	Size	Units
0224997	N2C	194 x 260 mm	250
0224950	N2A	140 x 254 mm	250
0224998	N9A	140 x 254 mm	250

Grey Contrast cards

These are sealed paint test charts with six stripes on a white field, ranging in shade from very light gray to black. The stripes are numbered 1 to 6, representing uniform steps of increasing contrast. The hiding power of the applied coatings is rated as the number of the darkest stripe that is completely (or almost completely) obscured, at a specified thickness or spreading rate. Form CU-1M is used for more practical large-area brush or roller applications as in ASTM D 5150.

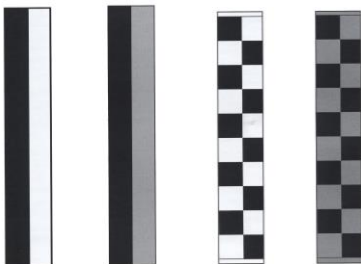
		<table border="1"> <thead> <tr> <th colspan="3">Grey Scale</th> <th>Box</th> </tr> <tr> <th>Code</th> <th>Model</th> <th>Size</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>0224937</td> <td>CU-1</td> <td>610 x 946 mm</td> <td>100</td> </tr> <tr> <td>0224938</td> <td>24B</td> <td>194 x 289 mm</td> <td>250</td> </tr> </tbody> </table>	Grey Scale			Box	Code	Model	Size	Units	0224937	CU-1	610 x 946 mm	100	0224938	24B	194 x 289 mm	250
Grey Scale			Box															
Code	Model	Size	Units															
0224937	CU-1	610 x 946 mm	100															
0224938	24B	194 x 289 mm	250															
Form CU-1	Form 24B	Applications on Form 24B are with a drawdown blade.																

Spray Strips- OEM surfaces covering power

They are used for coating industrial laboratories, mostly for the automotive industry, to measure the hiding power of the enamel sprays. The card is attached to a steel sheet and the coating is covered by the spray to create a wedge with thin/thick gradient from one side to the other side.

After drying; a position with an appropriate covering power or 0.98 contrast ratio is found in the card and the film thickness is electronically measured in a panel adjacent to the aforementioned position. On the other hand, a position of a certain thickness and the contrast ratio adjacent to the mentioned position are defined in the steel panel.

They are available in black/white, grey/white and, for the S71, red/grey.



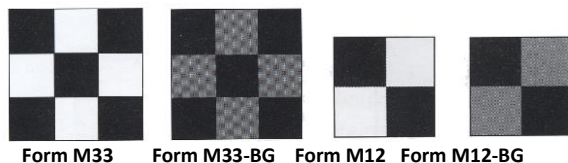
Spray Strips			Box
Code	Model	Size	Units
0224939	S71	51 x 279 mm	500
0224940	S71-BG	51 x 279 mm	500
0224941	S71-RG	51 x 279 mm	500
0224942	S72	51 x 279 mm	500
0224956	S72-BG	51 x 279 mm	500

Spray Control. Autoadhesive Covering power cards

These cards are pressure sensitive with a sealed surface covering pattern, and solvent resistant. They are principally used with metallic panels where the uniform surface doesn't allow the visualization of the applied paint film thickness.

When the cards are placed on a surface as described afore, the Spray Control allows observing the covering power during the spray application, simplifying the film thickness control. The card is adhered strongly and independently of being air-dried or baked, to present a visual opacity or film proof.

They are available in black/white, black/grey and red/grey.



Spray Control			Box
Code	Model	Size	Units
0224943	M33	51 x 51 mm	500
0224944	M33-BG	51 x 51 mm	500
0224945	M12	25 x 25 mm	2000
0224946	M12-BG	25 x 25 mm	2000

Metopac Measurement panels, metallic

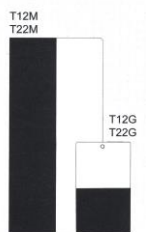
These are painted steel panels, used for powder coatings and industrial enamels covering power measurement. They are available in half black/half white and plain black.

The black surface: Solvent resistant, without leak, maximum reflectance of 1%, measured using the ASTM E1347 method.

The white surface: Solvent resistant, color retention, reflectance of 80%, measured using ASTM E1347 method.

Main uses: ASTM D6441 method, powder coatings covering power measurement. Powder Coatings Institute's method.

ASTM D2805 method: Paint covering power by reflectometry.

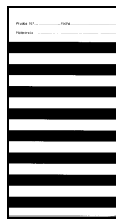


Metopac Cards			Box
Code	Model	Size	Units
0224947	T12M	132 x 279 mm	50
0224948	T22M	132 x 279 mm	50
0224953	T12G	76 x 132 mm	125
0224949	T22G	76 x 132 mm	125

“Economic” Contrast cards, for paint tests, with UV component



Cod. 0224904
100 x 190 mm



Cod. 0224903
100 x 180 mm



Cod. 0224901
190 x 280 mm