



Cromacheck

color overlay proofing system



You've got **color** under control.

Fast, Accurate Overlay Proofs from DuPont—

Cromacheck® color overlay proofing film has long been valued for its ease of use in checking color separations, registration, trap and special effects. If you are a designer, print buyer, color separator or printer who prefers overlay proofs – control of color is now better than ever, with more spot colors, and available process colors for today's printing needs which are calibrated to DuPont's widely used WaterProof® color proofing system.

Proof making is now also easier than ever. DuPont's new EZ peel material increases productivity and reduces waste. And of course, Cromacheck® is still a completely dry system requiring no chemicals for processing.

Thank you for using DuPont Color Proofing products... You've got **color** under control.



Excellent Cost-Efficiency

You will save time and money with Cromacheck®. There is no expensive equipment required, and you will not have to worry about chemical storage, handling or disposal. Besides the Cromacheck® film, all you need is the inexpensive Cromacheck®-Vak open-face vacuum easel, which provides a convenient, plug-in-and-go peeling surface.

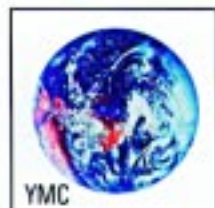


Dry and Environmentally Friendly

Cromacheck® is completely dry. No processor. No developer. No replenisher. No fumes. No odors. It is user-safe and environmentally friendly.

Color Versatility

Cromacheck® gives you the versatility you need. In addition to the four process colors, there are five often-used specialty colors (red, blue, green, orange and brown), two metallics (gold and silver), white, and our newest color: purple!



Outstanding Productivity

Cromacheck® is easy to use. All you do is expose, peel and register. Moreover, it is fast... Up to three times faster than wet systems like Imation Color-Key® and Enco Naps®.

The savings begin with exposure. Cromacheck® is speed-balanced, so you can expose all four colors at once. And each exposure is 25 to 40% shorter than the competition's. All you need are the film negatives and UV light source used with any overlay system.

Once exposed, all you do is peel. Because there is no wet processor, you will not spend time waiting for each color to develop. You can say goodbye to processor maintenance, chemistry handling and wasted floor space.

Discover the Cromacheck® Difference.

Nowhere in the world can you find a friendlier, safer and more cost-efficient color proofing system that has the versatility and productivity of Cromacheck®.

You've got COLOR under control.



Preparing Cromacheck® – Setting Exposure

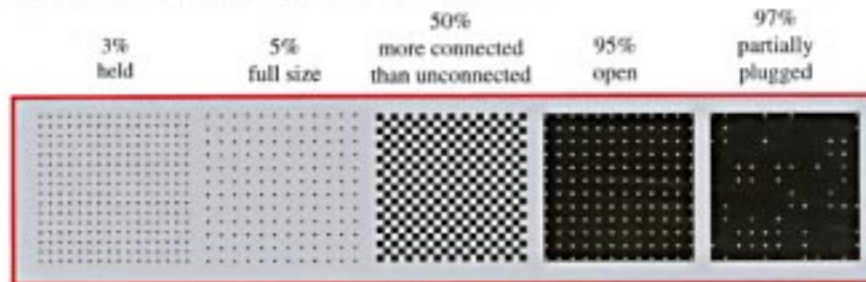
Setting exposure for Cromacheck® is a one-time procedure. Once exposure has been set, refer to the appropriate process-of-use steps.

- ◆ Place a sheet of cyan Cromacheck® in vacuum frame, glossy side facing light.
- ◆ Position exposure target (negative), emulsion side down, on top of Cromacheck®, midway between center and edge of vacuum frame.
- ◆ Mask uncovered areas of Cromacheck® with opaque masking material (allows for easy coversheet removal). To save time in production, masking may be done on top of glass. Leave a minimum of a 1-inch masked border around Cromacheck®.
- ◆ Ensure intimate contact by drawing vacuum for at least 60 seconds. Poor contact will invalidate test results.
- ◆ Set exposure timer for 5 seconds (or equivalent units on an integrator). Position opaque sheeting on top of glass in order to mask all but #1 target, then expose. Do not release vacuum.
- ◆ Move masks so that #1, 3, 4 and 5 targets are covered, and expose #2 target for 10 seconds.
- ◆ Move masks and continue sequence, exposing #3 target for 15 seconds, #4 target for 20 seconds, and #5 target for 25 seconds.
- ◆ Position exposed Cromacheck® on vacuum easel.
- ◆ Peel apart.
- ◆ For halftones, compare peeled Cromacheck® sheet to illustration using a 10X magnifier. Select exposure which most nearly matches the illustration.

Setting Exposure, *continued*

- ◆ Based on above results, it may be desirable to further pinpoint exposure by using smaller intervals or a wider range.
- ◆ Record exposure information and use for the other process colors.
- ◆ Specialty colors require about 1/2 step more exposure. Calibrate each one using the above procedure.

Optimum exposure should yield the following results:



Note: Y, M, and K will range from 97% open to partly plugged. Individual exposures may be varied for more precise scale holding.

Cromacheck® Ease of Use



Three easy Steps to Make a Cromacheck®

1. Expose, using a film negative and high-intensity UV light source.

- ◆ Cromacheck®, in its unexposed state, is thick enough to punch for accurate pin register.
- ◆ Make sure glossy side faces light.
- ◆ On large solids, subject matter should be at least 2 inches from border.
- ◆ Always mask off uncovered areas and leave at least a 1-inch masked border around Cromacheck®.
- ◆ With large vacuum frame, single exposure can make all four colors.
- ◆ Expose Cromacheck® for time required — refer to "Setting Exposure" guidelines.

2. Peel apart, saving the top layer.

- ◆ Important to use a high (30"–36"), flat table with a smooth surface that will accept velcro on the easel base.
- ◆ Position exposed Cromacheck® on vacuum easel, glossy side up. Begin separating proof sheet from base material by applying a small amount of masking tape to the top left (peel) corner.
- ◆ Firmly grasp corner of proof sheet between thumb and index finger. Keep knuckles down and low to the surface.
- ◆ Peel briskly with a smooth motion diagonally from "peel" corner in such a way that you maintain control of peel.



3. Register the top layers on receptor stock.

- ◆ Register the layers, glossy side up, using a pin register, or "by eye," using a magnifier.
- ◆ Use bright white paper to show optimum color fidelity and highlight detail. Recommended stocks are DuPont Cromalin® Receptor Stock CR1, Starwhite-Vicksburg (Simpson Paper Co.), and Hi-White (Beckett Paper Co.).
- ◆ Start with yellow and follow with magenta, cyan and black.
- ◆ The results may be viewed under any light source, but for best-quality control, use the ANSI standards with 5,000°K light as for reflected art.

Cromacheck® is Packaged to Fit Your Needs.

	Sheets per Package	Metric (cm)	English (in.)
Process Colors:	50	27.9 x 35.6	11 x 14
Y, M, C, K	50	40.6 x 50.8	16 x 20
	50	40.6 x 61.0	16 x 24
	50	50.8 x 61.0	20 x 24
	50	63.5 x 96.5	25 x 38
	50	76.2 x 101.6	30 x 40

Process Combo Packs:

12 sheets each of Y, M, C, K	48	27.9 x 35.6	11 x 14
	48	50.8 x 61.0	20 x 24
	48	63.5 x 96.5	25 x 38

Specialty Colors:

red, blue, green, orange, brown, purple, white, gold and silver	25	27.9 x 35.6	11 x 14
	25	40.6 x 50.8	16 x 20
	25	50.8 x 61.0	20 x 24
	25	63.5 x 96.5	25 x 38
	25	76.2 x 101.6	30 x 40

Specialty Color Packs:

7 sheets each of red, blue and green, plus 2 sheets each of orange and brown	25	27.9 x 35.6	11 x 14
	25	50.8 x 61.0	20 x 24
	25	63.5 x 96.5	25 x 38

Cromacheck® Vacuum Easel

Sizes available:	20 x 24	25 x 38	30 x 40
------------------	---------	---------	---------

Storage

Keep Cromacheck® enclosed in the supplied plastic pouches and boxes. Ideal storage conditions are: temperature 70–75° F (21–24°C) and relative humidity 30–70 %. Avoid storage conditions where temperatures exceed 90° F (32.2°C) and relative humidity is higher than 70%.

Avoid exposing raw film to light emitted from viewing booths, exposure lamps and other sources of ultraviolet (UV) light.

Exposing Sources

Optimum tonal scale reproduction can be achieved by using a high-UV exposure source (photopolymer bulb) with a Kokomo filter. Other light sources (those typically used for platemaking) can be used with acceptable results. Listed below are some typical exposure times. Draw vacuum for at least 60 seconds.

Type of Light Source	Power (kW)	Distance (in.)	No Filter (sec.)	Kokomo Filter (sec.)
Metal Halide Sources	5	40	10–15	30
(photopolymer type)	3	30	15–20	40
Metal Halide Source	5	40	10–15	—
(dialo type)	2	30	10–15	—
Pulsed Xenon	8	50	20–30	—
	4	20	15–20	—

Call DuPont. You've got color under control. 1-800-345-9999

In Canada: 1-800-387-2122
In Mexico: (5) 722-1248
www.dupont.com/proofing



DuPont Color Proofing