

# Kodak ColorFlow Software Reference Sheet

ColorFlow Edit View Export Window Help

Device Curves...  
Measurements...

### Icon States

- Incomplete
- Needs attention
- Calculating
- Queued
- Complete



### Devices

Use the Devices dialog box to create a ColorFlow device to represent each physical printing device in your printing environment.

To display the Devices dialog box, select **View > Devices**, or double-click the dark grey background in the Color Setup Viewer.

Devices must be added in the Device dialog box before you can populate a Color Setup.

The **View** menu gives you direct access to a number of ColorFlow functions.

ColorFlow Edit View Export Window Help

- Devices
- Snapshots
- Device Conditions
- Plate Setups
- History
- Charts

The **Export** menu is used to export color control elements, mainly in a stand-alone environment and can include **Device Curves, Measurements, Calibration Curves, Device Profiles, and DeviceLinks** menu items, depending on whether the device, device condition, simulation, or conversion link is selected.

### Device Condition Properties

A device condition and its properties will need to be defined after you drag a device into place in the color setup viewer.

A new device condition will always be created if you select a unique combination of properties in this dialog box. To reuse an existing device condition, select a combination of properties that has been previously defined.

To display this dialog box, click the device condition properties icon inside a device condition in the color setup.

### Device Conditions

Device Types: Offset Press - Sheetfed

Device Conditions: Staccato10, Type 1 or 2 (coated art) 170 g/m<sup>2</sup>, Kodak Electra XD, 175lpi Round, Type 1 or 2 (

Device Condition Attributes: Screening, Substrate, Other

A device condition is a combination of a device and the operating conditions or properties that influence the quality of color that the device can deliver. The Device Conditions dialog box lets you delete a device condition or add or remove values that are associated with the device condition properties.

You can also use this dialog box to modify the values that are associated with a device condition, without having to create a new condition. For example, if you misspelled a substrate value, you could rename it in this dialog box without having to create a new value for selection.

To display this dialog box, from the **View** menu, select **Device Conditions**.

### Primary Color Output Profile

Device Condition Profile-175lpi Round, Matte 80lb, Off...

Origin: ColorFlow Generated

Total Ink Limit: 350 %  
Black Start: 30 %  
Max Black: 90 %  
Black Strength: Light 50 %

**Device Condition Profile/Primary Color Output Profile**  
To display this dialog box, click the profile icon in a device condition, or the outer frame of the primary color output. Select the method of creating the profile: **ColorFlow Generated** or **Imported**. Kodak Prinergy® workflow requires profiles for all device conditions.

### Color Setup Viewer

Drag a device here to create a Color Input

Primary Color Output

Secondary Color Output

Device Condition

Simulation

Profile (PCO)

Properties

Profile (Device)

Measurements

Curves (Device)

Conversion Link

Device Bar

### Measurements-Staccato10, Matte 80lb, Offset Press - Sheetfed, CMYK

Charts

Measurements

Ink Set: CMYK

Chart Type: Color Characterization

Measurement Device: X-Rite i1 Pro

Printable Area: Width 500 mm, Height 500 mm

Form Layout: Fill Printable Area, Minimize Form Size, Front and Back Forms

Force Page Breaks: Across 1, Down 1

Background Tint:

**Measurements**  
Use the **Charts** tab to select, create, or measure a form that is ready for imposition and printing by the device on which you want to measure the color response.

Use the **Measurements** tab to import tonal or colorimetric data, to promote or deactivate data sets, and to generate reports.

To display the dialog box, click the measurement icon next to a device in a device condition, or select **View > Charts**.

### Calibration Curves - [Staccato10, Matte 80lb, Offset Press - Sheetfed, CMYK] as [FOGRA 29 - We...

Curve Values

C	M	Y	K	CMY
0.0	0.0			
5.0	3.8			
10.0	8.1			
15.0	13.4			
20.0	19.3			
25.0	25.1			
30.0	30.4			
35.0	35.5			
40.0	40.4			
45.0	45.4			
50.0	50.6			
55.0	56.0			
60.0	61.6			
65.0	67.3			
70.0	72.8			
75.0	77.9			
80.0	82.7			
85.0	87.3			
90.0	91.6			
95.0	95.8			
100.0	100.0			

Curve View - Edit Tool

**Calibration Curves**  
Use the Calibration Curves dialog box to view and adjust curves at several places in a color setup. To display the Calibration Curves window, click on the View Curves dialog box in the Simulation Adjustment window.

**Note:** To switch between curve separations, use Command 1, 2, 3, or 4 (Mac OS) or Ctrl 1, 2, 3, or 4 (Windows).

### Simulation Definition

Target: GRACoL 2006 Coated 1

Curves: Gray Balance

Align the CMY neutral response of the Primary Color Output to that of the Target.  
Match tonality for other color channels.

DeviceLinks: Full Reseparation

Uses Simulation Target as source.  
Uses the Primary Color Output as destination.  
Reseparates content.  
Performs black generation as specified.

Rendering Intent: Relative

Total Ink Limit: 350 %  
Black Start: 30 %  
Max Black: 90 %  
Black Strength: Light 50 % Heavy

**Simulation Definition**  
Use the Simulation Definition dialog box to control how a Primary Color Output simulates the target. To display this dialog box, click the simulation icon that appears in the outside frame of the primary color output.

If a simulation is already defined, in the Simulation Adjustment dialog, click **Redefine**. ColorFlow can perform the simulation using tonal curves or DeviceLinks or a combination of each, depending on the source and destination data used.

### Image Preview [175lpi, Matte 80lb, Offset Press - Sheetfed, CMYK] as [GRACoL 2006 Coated 1]: roman16\_02\_midtone-CF.tif

Channel Input Output

Channel	Input	Output
C	33	31 / 36
M	25	22 / 21
Y	26	23 / 26
K	12	9 / 9
Total	96	85 / 93

**Image Preview**  
Use the **Image Preview** window to see the real-time effect of adjustments on a selected image. You can see and measure the changes caused by adjustments.

To display the Image Preview window, click on the Preview dialog box in the add adjustment dialog boxes.

### Simulation Adjustment

Adjust Curves

Adjust DeviceLink

Tonal Adjust Tool

Change L\* -4.4  
a\* 0.2 C\* -0.5  
b\* 0.8 H\* 0.7

History

- Uncommitted
- Darken Midtones ΔL\*=3
- Make Midtones more Yellow (less Blue) Δa\*=0.2 Δb\*=0.8
- Darken Midtones ΔL\*=1.4

**Simulation Adjustment**  
Use the Simulation Adjustment tool to modify the color response of your primary color output. Indicate the change that you want to produce in the tonal response (EDA) and ColorFlow will calculate and apply the necessary change to the curves.

You can also indicate the colorimetric change that is required and ColorFlow will generate curves to meet that goal.