

InkFormulation 6.2

Overview of Enhancements



Content

1	Introduction.....	3
2	Improvements.....	3
2.1	Added overview to the formulation workflow.....	3
2.2	Batch formulation for PantoneLIVE and Color Libraries	3
2.3	Option to change settings for the Recipe Correction workflow	4
2.4	Added default setting for “Total ink” or “Total basic ink”	4
2.5	Added default quantity for recipe output	4
2.6	Added option to define settings as default	5
2.7	Simplification of ink leftover reduction.....	6
2.8	Warning when exceeding the amount of ink leftover	6
2.9	Added search criteria “Creator”	6
2.10	Ink film thickness calibration also available for offset printing.....	7
2.11	Enhancement to store recipes in data access groups	7
2.12	User Administrator Update.....	8
2.13	Added support for Adam PGL 6001 Scale.....	9
2.14	Added support for X-Rite Ci52 sphere spectrophotometer	9
2.15	Includes updated PANTONE PLUS SERIES Libraries.....	9
3	Bug fixes.....	9

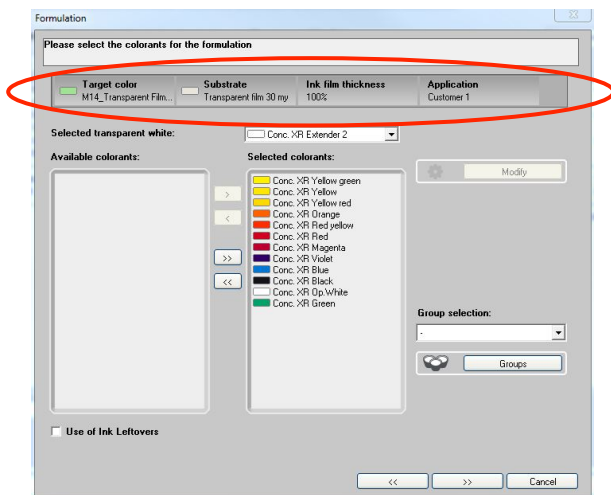
1 Introduction

The following overview refers to enhancements and improvements of InkFormulation 6.2, compared with version 6.11.

2 Improvements

2.1 Added overview to the formulation workflow

During the formulation workflow all defined settings for the formulation are displayed on top of the window for a better overview. This gives at the same time the possibility to jump back to earlier settings.



The new overview is available for the following workflows:

- Formulation workflow
- „Define target color -> Get“
- Film thickness calibration

2.2 Batch formulation for PantoneLIVE and Color Libraries

InkFormulation 6.2 adds the feature to formulate a whole PantoneLIVE library or a whole color library of the InkFormulation database. This is in addition to the previously available batch formulation for CxF libraries.

2.3 Option to change settings for the Recipe Correction workflow

With InkFormulation 6.2 the window „recipe correction“ can be enabled optional. Before getting the correction results, the user can modify the current / additional / total ink quantity but also the remaining color distance:

The screenshot shows the 'Recipe Correction' settings window. It features four input fields for ink quantities and a remaining color distance, each with up and down arrows. Below these are three color swatches: 'Target color', 'Corrected', and 'Current'. Each swatch is accompanied by its respective colorimetric data.

Parameter	Value
Current ink quantity:	100
Additional ink quantity:	4.077
Total ink quantity:	104.077
Remaining color distance (dE2000):	0.038

Color	L*	C*	h	[D50, 2°]	dE2000	dL*	dC*	dH*	[D50, 2°]
Target color	83.8	43.6	138.5	[D50, 2°]					
Corrected				[D50, 2°]	0.0	0.0	-0.1	0.0	[D50, 2°]
Current				[D50, 2°]	0.0	0.0	-0.1	0.0	[D50, 2°]

This additional information can be enabled / disabled in the workflow settings.

2.4 Added default setting for “Total ink” or “Total basic ink”

In the formulation settings it is possible to define if a new formulation is created with „Total ink“ or „Total basic ink“. This setting can be edited at any time in the main window. For new recipes, the software is automatically using the default setting.

This option is only available, when using the recipe output basic inks or basic materials.

The screenshot shows the 'Recipe output' settings window. It includes a dropdown menu for 'Basic materials', a 'Default' dropdown menu set to 'Total', and a 'Default quantity' section with a numeric input field set to 400 and a unit dropdown menu set to 'g'.

2.5 Added default quantity for recipe output

In the formulation settings it is possible to define the default quantity

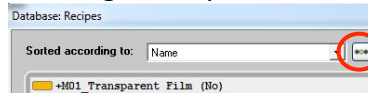
The screenshot shows the 'Recipe output' settings window with the 'Print ready inks' dropdown menu selected. The 'Default quantity' section remains the same, with a numeric input field set to 400 and a unit dropdown menu set to 'g'.

2.6 Added option to define settings as default

With InkFormulation 6.2 the following settings can be set as default:



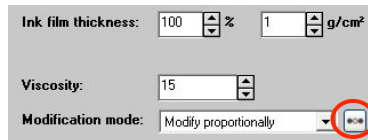
- Load a recipe / database recipe → sorting of recipes



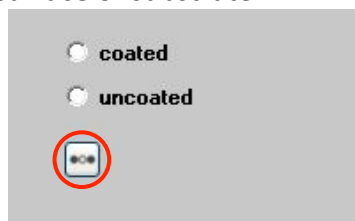
- Send to batching system → amount of solvent



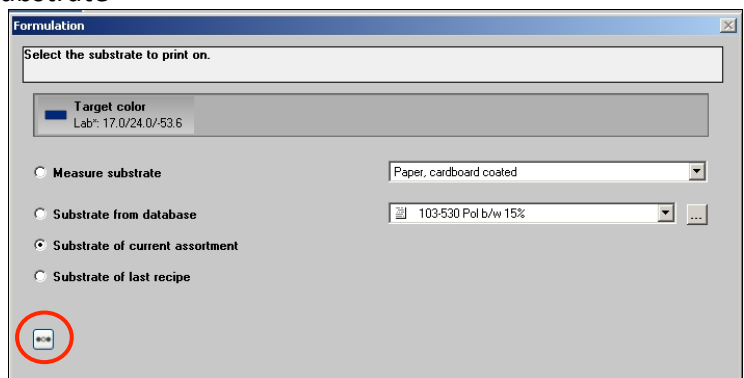
- Recipe entry → modification mode



- Substrate of measured target → surface of substrate



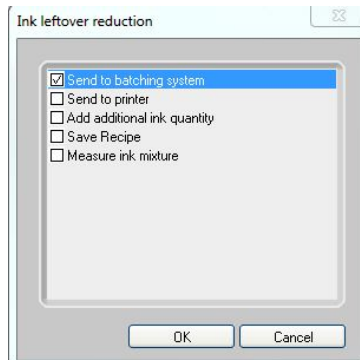
- Substrate Selection → origin of substrate



2.7 Simplification of ink leftover reduction

New function to simplify the formulation with ink leftovers. It is possible to determine when InkFormulation will ask for a reduction of the ink leftover amount.

To activate that function, open the workflow settings and click on “Setup” for ink leftover reduction.



After confirmation with OK, all desired options are active and can be used immediately.

2.8 Warning when exceeding the amount of ink leftover

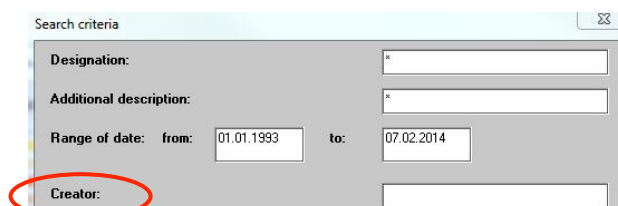
When formulating with limited ink leftover you will get a warning notice when increasing the recipe amount in the main window by exceeding the leftover amount.

Either you ignore that warning or you click on the warning button and go back to the maximal valid recipe amount.



2.9 Added search criteria “Creator”

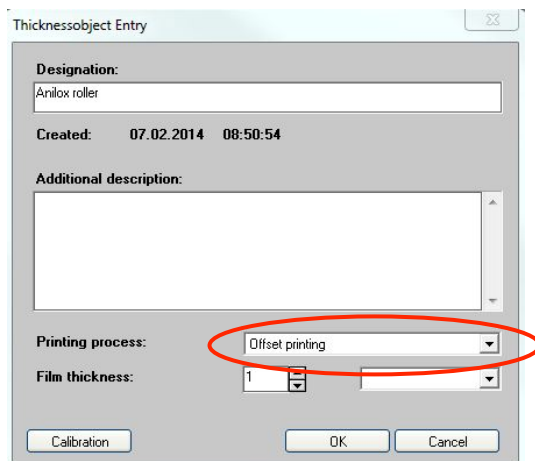
With InkFormulation 6.2 you can search for recipes according the criterion „Creator“. That new criterion will simplify the search especially for the online version.



2.10 Ink film thickness calibration also available for offset printing

Until version 6.11 the calibration of film thicknesses was available for flexo, gravure and screen printing.

With version 6.2 this option is also available for offset printing (anilox roller), as more and more offset customers use anilox and want to use the calibration tool.



The screenshot shows a dialog box titled "Thicknessobject Entry". It contains the following fields:

- Designation:** Anilox roller
- Created:** 07.02.2014 08:50:54
- Additional description:** (Empty text area)
- Printing process:** Offset printing (highlighted with a red circle)
- Film thickness:** 1 (with a dropdown arrow)

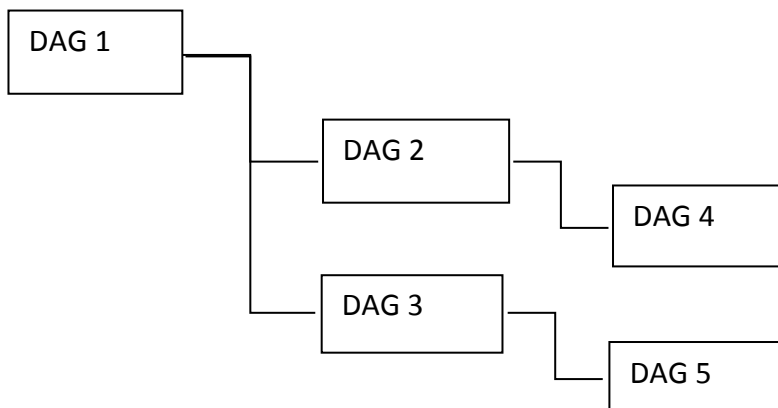
Buttons at the bottom include "Calibration", "OK", and "Cancel".

2.11 Enhancement to store recipes in data access groups

By activated the User Administration, the user can store the recipes in different data access groups.

It is only possible to store in those groups, where the user is or in groups below:

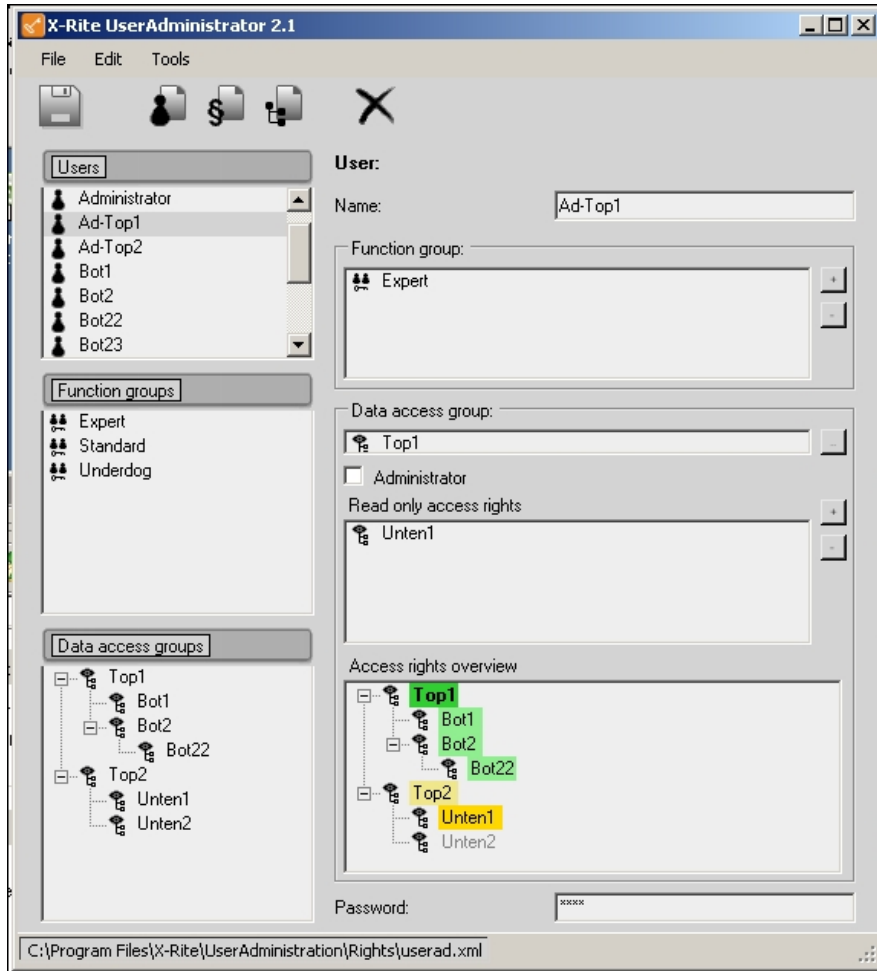
- DAG 1 can store recipes in each DAG.
- DAG 2 can store recipes in DAG 2 and DAG 4.
- DAG 3 can store recipes in DAG 3 and DAG 5.
- DAG 4 can store only in DAG 4.
- DAG 5 can store only in DAG 5.



2.12 User Administrator Update

User Administrator has been updated to define for each user additional “Read-Only” data access groups.

With that, a color code has been added data access groups: Green data access groups mean full access, Yellow data access groups means read only access.



2.13 Added support for Adam PGL 6001 Scale

InkFormulation 6.2 supports additionally the Adam PGL 6001 Scale

2.14 Added support for X-Rite Ci52 sphere spectrophotometer

InkFormulation 6.2 supports the Ci52 sphere spectrophotometer

2.15 Includes updated PANTONE PLUS SERIES Libraries

InkFormulation 6.2 includes the updated PANTONE PLUS SERIES Libraries which adds 84 new colors to the original PANTONE PLUS SERIES formula guide.

3 Bug fixes

The following bugs are fixed:

1. Crash editing the viscosity
The viscosity can be modified for recipes using applications.
2. Several mistakes in some languages
The known issues are corrected.
3. Limitation of ink leftover
In the „Colorant selection“ window the leftover may be restricted, but also the concentration range for each use may be limited.
4. Batch processing
Creating of colorant groups for batch processing is possible and immediately active.
For new calculations of recipes the user can select an application or just the data “From assortment”.
5. Viscosity curve
Improved display of viscosity curves.
6. Leftover with viscosity curve
Amount of extender now correctly calculated.