

TEXTILE
SOLUTIONS.

Bezema
Colour
Solutions.

CHT

SMART CHEMISTRY
WITH CHARACTER.

11/2020

ColorFinder 2.0

brief instruction

ABOUT THE COLORFINDER 2.0

The ColorFinder of the CHT Group is an innovative and free online colour recipe program which is exclusively available for registered myCHT users. The application can be used for two printing methods – **continuous pigment printing** and **screen printing (T-shirt printing)**.

In the ColorFinder pigment printing inks can be formulated which refer to the known colour catalogue Pantone®, HKS as well as RAL. Moreover, recipes based on L*, a* and b* values or RGB values can be created.

The printing recipe is calculated online and directly displayed. The recipe is based on daylight (D65). The metamerism of the calculated recipe is optimised in accordance with department store light (F11) and evening light (A) in comparison with the original colour.

In addition, each recipe is saved with the important general information as pdf file within the “My recipes” section. Here the user has permanent access to all created formulations. Moreover, recipes can be sent to multiple email recipients while creating the recipes.

Recipes are generally given in g/kg. If an individual quantity is entered, the recipe will be additionally calculated for this special quantity.

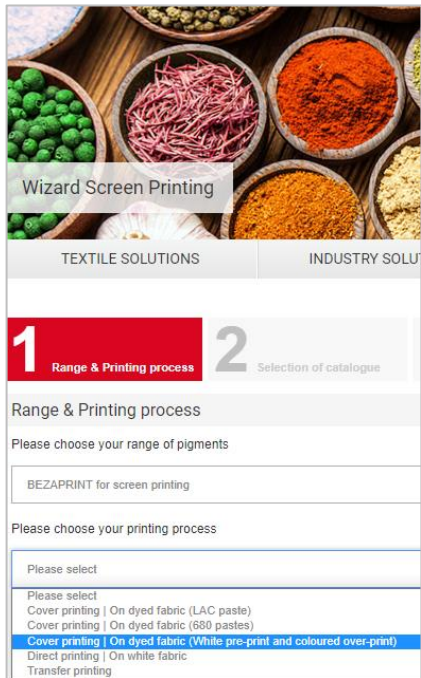
1. CHOOSE ALLOVER PRINTING OR SCREEN PRINTING

First choose between Allover Printing and Screen Printing Wizard.

The screenshot shows the ColorFinder 2.0 web application interface. At the top, the CHT logo is displayed with the tagline "SMART CHEMISTRY WITH CHARACTER." The user's name "Alisa Laur" and options for "Dashboard" and "Logout" are visible in the top right corner. A search bar and a language selection dropdown are also present. The main banner features a collage of various colored pigments in wooden bowls, with a red overlay on the right that reads "ColorFinder 2.0 UPDATED AND EVEN BETTER". Below the banner, there are four navigation tabs: "TEXTILE SOLUTIONS", "INDUSTRY SOLUTIONS", "SCIENCE & SERVICE SOLUTIONS", and "ABOUT CHT". The main content area is divided into two columns. The left column, titled "ColorFinder", contains three sections: "Wizard Allover printing" (with a description: "Create your individual pigment recipes for Pantone, HKS, RAL, Lab* or sRGB colours."), "Wizard Screen Printing" (with a description: "Create your individual pigment recipes for Pantone, HKS, RAL, Lab* or sRGB colours."), and "My recipes" (with a description: "Find and administrate your generated recipes here."). Below these are three informational sections: "About the ColorFinder", "About the printing processes", and "Promotion and Media". The right column, titled "myCHT", shows the user's name "Alisa Laur" and the date "20.08.2020 07:57:08". It includes a "Dashboard" link and a list of user profile options: "My personal data", "My profile", "My password", "Delete account", and "ColorFinder". Under "ColorFinder", there are links for "Wizard Allover printing", "Wizard Screen Printing", "My recipes", "About the ColorFinder", "About the printing processes", and "Promotion and Media". A "Logout" link is at the bottom of the right column.

2. PRINTING METHOD

Then, choose the range of pigments and printing process you prefer.



Wizard Screen Printing

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1 Range & Printing process | **2** Selection of catalogue

Range & Printing process

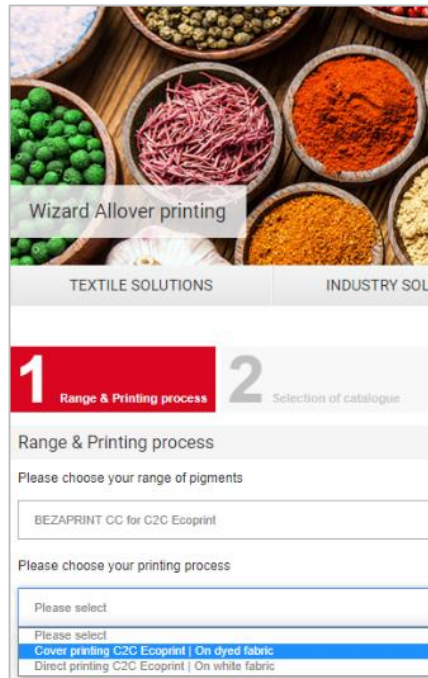
Please choose your range of pigments

BEZAPRINT for screen printing

Please choose your printing process

Please select

- Please select
- Cover printing | On dyed fabric (LAC paste)
- Cover printing | On dyed fabric (680 pastes)
- Cover printing | On dyed fabric (White pre-print and coloured over-print)**
- Direct printing | On white fabric
- Transfer printing



Wizard Allover printing

TEXTILE SOLUTIONS | INDUSTRY SOLUTIONS

1 Range & Printing process | **2** Selection of catalogue

Range & Printing process

Please choose your range of pigments

BEZAPRINT CC for C2C Ecoprint

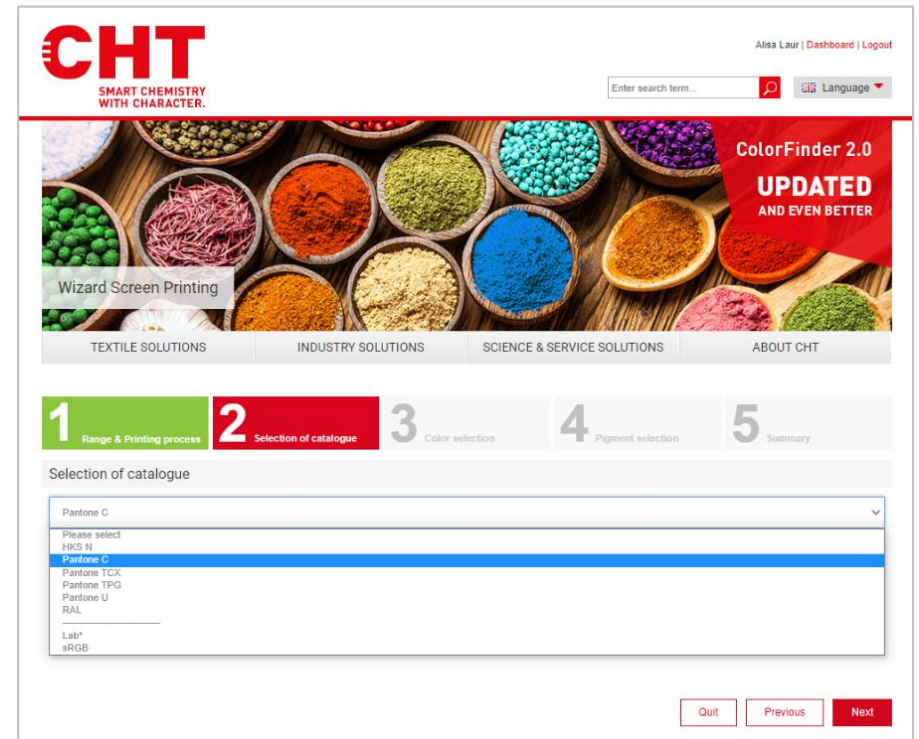
Please choose your printing process

Please select

- Please select
- Cover printing C2C Ecoprint | On dyed fabric**
- Direct printing C2C Ecoprint | On white fabric

3. CATALOGUE

The next step is to select the colour catalogue definitions for the desired colours you want: HKS, Pantone, RAL, Lab* or RGB Values.



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Alisa Laur | Dashboard | Logout

Enter search term... Language

ColorFinder 2.0
UPDATED
AND EVEN BETTER

Wizard Screen Printing

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1 Range & Printing process | **2** Selection of catalogue | **3** Color selection | **4** Pigment selection | **5** Summary

Selection of catalogue

Pantone C

- Please select
- HKS H
- Pantone C**
- Pantone TCX
- Pantone TPG
- Pantone U
- RAL
- Lab*
- sRGB

Quit Previous Next

4. COLOUR SELECTION

Now select the desired colour tone in the catalogue.

The screenshot shows the CHT ColorFinder 2.0 interface. At the top, there is a search bar and a language dropdown. Below the header is a banner for 'ColorFinder 2.0 UPDATED AND EVEN BETTER' with a 'Wizard Screen Printing' button. The navigation menu includes 'TEXTILE SOLUTIONS', 'INDUSTRY SOLUTIONS', 'SCIENCE & SERVICE SOLUTIONS', and 'ABOUT CHT'. A progress bar at the bottom indicates five steps: 1. Range & Printing process, 2. Selection of catalogue, 3. Color selection (highlighted in red), 4. Pigment selection, and 5. Summary. The 'Color selection' section features a search bar labeled 'Search colors' and a grid of 16 color swatches, each with a radio button and a RAL code: RAL 3004, RAL 3005, RAL 3007, RAL 3009, RAL 3011, RAL 3012, RAL 3013, RAL 3014, RAL 3015, RAL 3016, RAL 3017, RAL 3018, RAL 3020, RAL 3022, RAL 3027, and RAL 3031.

5. PIGMENTS

Combine your individual pigment selection and save your pigment settings for future calculations.

The screenshot shows the CHT ColorFinder 2.0 interface. At the top, there is a search bar and a language dropdown. Below the header is a banner for 'ColorFinder 2.0 UPDATED AND EVEN BETTER' with a 'Wizard Screen Printing' button. The navigation menu includes 'TEXTILE SOLUTIONS', 'INDUSTRY SOLUTIONS', 'SCIENCE & SERVICE SOLUTIONS', and 'ABOUT CHT'. A progress bar at the bottom indicates five steps: 1. Range & Printing process, 2. Selection of catalogue, 3. Color selection, 4. Pigment selection (highlighted in red), and 5. Summary. The 'Pigment selection' section features three buttons: 'Select all', 'Deselect all', and 'Save Settings'. Below these are filter options: 'Filter pigments' with checkboxes for 'bluesign® approved', 'GOTS approved additive/dyestuff' (checked), and 'OEKO-TEX® suitable'. The main area displays a grid of 16 pigment swatches, each with a radio button and a name: BEZAPRINT YELLOW 3GT, BEZAPRINT RED SGR, BEZAPRINT RED HBB, BEZAPRINT RED KGC, BEZAPRINT SCARLET RR, BEZAPRINT PINK BW, BEZAPRINT VIOLET FB, BEZAPRINT BLUE BT, BEZAPRINT BLUE TB, BEZAPRINT BLUE RR, BEZAPRINT NAVY GOT, BEZAPRINT GREY BB, and BEZAPRINT BLACK DW.

6. SUSTAINABILITY

Use the **sustainability filter** to get approved pigments:
bluesign® approved, GOTS approved additive/dyestuff, Oeko-Tex suitable

The screenshot shows the CHT ColorFinder 2.0 web application. The header includes the CHT logo, navigation links, and a search bar. The main content area features a banner for 'ColorFinder 2.0 UPDATED AND EVEN BETTER' with a 'Wizard All-over printing' overlay. Below the banner are navigation tabs for 'TEXTILE SOLUTIONS', 'INDUSTRY SOLUTIONS', 'SCIENCE & SERVICE SOLUTIONS', and 'ABOUT CHT'. A progress bar at the bottom of the banner indicates the current step: '4 Pigment selection'. The main interface shows a 'Pigment selection' section with a confirmation message: 'Your settings have been successfully saved.' Below this are buttons for 'Select all', 'Deselect all', and 'Save Settings'. The 'Filter pigments' section includes checkboxes for 'bluesign® approved', 'GOTS approved additive/dyestuff' (checked), and 'OEKO-TEX® suitable'. The 'Your selection' area displays a grid of pigment color swatches, each with a label and a green checkmark indicating it is selected. The selected pigments include: BEZAPRINT YELLOW CC-O, BEZAPRINT CARMINE CC-E, BEZAPRINT PINK CC-H, BEZAPRINT GREEN CC-M, BEZAPRINT YELLOW CC-O, BEZAPRINT GOLDEN YELLOW CC-C, BEZAPRINT CARMINE CC-E, BEZAPRINT RED CC-G, BEZAPRINT PINK CC-H, BEZAPRINT FUCHSIA CC-I, BEZAPRINT BRILLIANT BLUE CC-L, BEZAPRINT BLUE CC-K, BEZAPRINT GREEN CC-M, and BEZAPRINT BLACK CC-N.

7. RESULT

The ColorFinder 2.0 now combines the best recipe from several possible combinations. Below, you will find a PDF file.

The screenshot shows the '5 Summary' step of the ColorFinder 2.0 application. The progress bar at the top indicates the current step. The 'Summary' section includes a 'Summary' dropdown, 'Advanced Settings' with an expand/collapse arrow, and a form for 'Amount of paste' (4000 g). Below this is a note: 'Here you can enter an amount of paste to be prepared (Default: 1000 g)'. The 'Title' field contains 'Spring Collection #3'. The 'Notes' field is empty. The 'Send email when finished' section has an 'Email addresses (separate multiple values with ;)' field. A green progress bar indicates '100 %' completion. The 'RECIPE' section contains a table with the following data:

| | Concentration (g/kg) | Pigments for 4000 g of paste (g) |
|-----------------------|----------------------|----------------------------------|
| BEZAPRINT YELLOW CC-O | 11.00 | 44.00 |
| BEZAPRINT Other CC-B | 15.06 | 60.24 |

The 'COLORMETRIC' section shows the following data:

| dE CMC 2:1 | | |
|------------|-----|---|
| dE(D65) | 0.3 | ■ |
| dE(F11) | 0.6 | ■ |
| dE(A) | 0.5 | ■ |


The bottom of the page features a log of actions:

- 14:26:02 Calculation added to your user account.
- 14:26:02 PDF-Version for download
- 14:26:02 Recipe generated

Navigation buttons at the bottom include 'Quit', 'Previous', and 'Restart calculation'.

8. MY RECIPES

The recipes are stored online and can be accessed at any time via the dashboard of your profile.



My recipes









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My recipes

An overview of your recipes

The status shows whether your pre-settings led to a possible recipe (green symbol). If the symbol is red, your pre-settings will be shown again in the pdf file.

Search your recipes

| ⚙ | Date | Presettings | Color selection Info | Status | PDF |
|--------------------------|------------------------|--|---|--------|---|
| <input type="checkbox"/> | 21.08.2020 08:17:34 | <ul style="list-style-type: none">• Allover printing• BEZAPRINT for pigment printing• Direct printing On white fabric• HKS N |  HKS 13 N Spring Collection #3 | ✓ |  |
| <input type="checkbox"/> | 21.08.2020 08:16:17 | <ul style="list-style-type: none">• Screen Printing• COLORMATCH for screen printing• Cover printing On dyed fabric (White pre-print and coloured over-print)• RAL |  RAL 1007 Spring Collection #1 | ✓ |  |
| <input type="checkbox"/> | 21.08.2020 08:14:48 | <ul style="list-style-type: none">• Screen Printing• BEZAPRINT for screen printing• Cover printing On dyed fabric (680 pastes)• Pantone C |  PANTONE 200 C Spring Collection #4 | ✓ |  |
| <input type="checkbox"/> | 20.08.2020 14:23:55 | <ul style="list-style-type: none">• Allover printing• BEZAPRINT CC for C2C Ecoprint• Cover printing C2C Ecoprint On dyed fabric• RAL |  RAL 6008 Spring Collection #2 | ✓ |  |

Quit

START NOW!



www.colorfinder.cht.com

