




















**CONCEPTIVE
COLORS**

Innovative Ecoprinting Inkjet Solutions

|  CONCFIX™ Product Name (CI No.) | ReactiveDyes Printing Series 2 % Shade 2 % Shade | Solubility | | Application Method | | | | Substantivity | 1/1-Light Fastness | ISO3-Washing Fastness | Rubbing Fastness | | Perspiration | | | | Dischargeability | HypoChlorite Bleaching Fastness |
|---|---|------------|-----|--------------------|----------------|------------------|----------|---------------|--------------------|-----------------------|------------------|-----|--------------|-------|--------|-------|------------------|---------------------------------|
| | | 80 °C | G/L | Common Salt | Exhaust Dyeing | Pad-Batch Dyeing | Printing | | | | Dry | Wet | Alkali | | Acid | | | |
| | | | | | | | | | | | | | Effect | Stain | Effect | Stain | | |
| ORANGE P2R (ORANGE 13) |  | 80 | 70 | LS | LS | S | M | 5 | 5 | 4/5 | 4 | 4/5 | 5 | 4/5 | 4 | F | 4 | |
| RED PB (RED 24) |  | 130 | 100 | LS | LS | S | M | 4/5 | 4/5 | 5 | 4/5 | 5 | 4/5 | 5 | 5 | F | 4 | |
| VIOLET 5R (VIOLET 5) |  | 100 | 75 | S | S | S | M | 5 | 4/5 | 4/5 | 4 | 4-5 | 5 | 4/5 | 5 | P | 1 | |
| BLUE P3R (BLUE 49) |  | 100 | 90 | LS | LS | S | L | 4 | 5 | 3/4 | 4 | 5 | 4 | 5 | 5 | S | 5 | |
| BROWN P2R (BROWN 11) |  | 80 | 60 | LS | LS | S | L | 5 | 4/5 | 4/5 | 4 | 4 | 4/5 | 4 | 4 | F | 4 | |
| BLACK PGR (MIX) |  | 125 | 100 | LS | LS | S | M | 4/5 | 5 | 5 | 4/5 | 4 | 4/5 | 4 | 4 | P | 4-5 | |
| BLACK PN (BLACK 8) |  | 125 | 100 | LS | LS | S | M | 4/5 | 5 | 5 | 4 | 4/5 | 4 | 4/5 | 4 | P | 4/5 | |
| BLACK RL (BLACK 31) |  | 100 | 50 | S | S | S | F | 4 | 4/5 | 4/5 | 5 | 4 | 4 | 4/5 | 4 | P | 4 | |
| GREY HL (MIX) |  | 100 | 70 | S | S | S | G | 4/5 | 5 | 5 | 4/5 | 4 | 4 | 4/5 | 4 | D | 5 | |
| NAVY BLUE P2R (BLUE 39) |  | 70 | 70 | LS | LS | S | M | 4/5 | 4 | 4 | 3 | 4 | 5 | 3/4 | 4/5 | L | 2 | |

The color shades displayed should only be considered a representation of the indicated dye or pigment. Actual color depend on varying factors including the desair application. Product sample are recommended for testing before use and/or purchase.

|  CONCFIX™ | ReactiveDyes Dyeing Series 2 % Shade | Solubility | | Application Method | | | | Substantivity | /1-Light Fastness | ISO 3-Washing Fastness | Rubbing Fastness | | Perspiration | | | | Dischargeability | HypoChlorite Bleaching Fastness |
|--|---|------------|-------------|--------------------|----------------|------------------|----------|---------------|-------------------|------------------------|------------------|-----|--------------|-------|--------|-------|------------------|---------------------------------|
| | | ° G/L | Parts/10000 | Common Salt | Exhaust Dyeing | Pad-Batch Dyeing | Printing | | | | Dry | Wet | Alkali | | Acid | | | |
| | | | | | | | | | | | | | Effect | Stain | Effect | Stain | | |
| Product Name (CI No.) | 2 % Shade | | | | | | | | | | | | | | | | | |
| T. BLUE G 266% (BLUE 21) |  | 100 | 70 | S | LS | S | M | 5/6 | 4-5 | 3/4 | 3 | 4/5 | 5 | 5 | 5 | 5 | P | 3 |
| YELLOW GR (YELLOW 15) |  | 150 | 70 | LS | S | S | S | 5 | 4 | 5 | 4 | 5 | 4/5 | 4 | 4 | 4 | D | 5 |
| RED ME4BL (RED 195) |  | 100 | 90 | S | S | LS | H | 6 | 4/5 | 4/5 | 5 | 4 | 5 | 5 | 4 | 4 | P | 3/4 |
| BLACK B 200 % (BLACK 5) |  | 100 | 70 | S | S | S | H | 4 | 4 | 4 | 3/4 | 4 | 4 | 4 | 3/4 | G | 4 | |
| BLACK DN (MIX) |  | 100 | 70 | S | S | S | G | 4/5 | 5 | 5 | 4/5 | 4 | 4 | 4-5 | 4 | 4 | D | 5 |
| BLUE BB (BLUE 220) |  | 150 | 70 | S | S | LS | H | 5/6 | 3/4 | 5 | 4/5 | 5 | 4/5 | 4 | 4/5 | D | 4 | |
| BLUE BRF (BLUE 221) |  | 80 | 50 | S | S | LS | H | 5/6 | 3/4 | 5 | 4/5 | 5 | 4/5 | 4 | 4/5 | F | 4 | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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CONCFIX Printing Dyes

Preparation of Printing Paste with Concfix Printing Dyes

| | | | |
|------------------------------|--|----------|-------|
| Concfix Print Brand Dyestuff | | 10-50 | Parts |
| Urea | | 100-150 | Parts |
| Resist Salt | | 10 | Parts |
| Water | | 4000-365 | Parts |
| Bicarbonate | | 20-25 | Parts |

Preparation of Printing Paste with Concfix Dyes by Steam Process: -

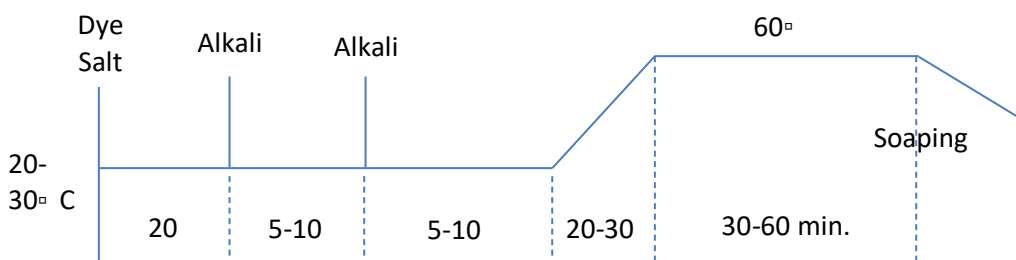
| | | | |
|--------------------|--|---------|-------|
| Concfix Dyestuff | | 10-40 | Parts |
| Urea | | 4-10 | Parts |
| Hot Water | | 100-200 | Parts |
| Resist Salt | | 10 | Parts |
| Sodium Bicarbonate | | 10-25 | Parts |

Finally made to 1000 parts with alginate thickening or emulsion thickening.

CONCFIX Dyeing Dyes

1. Dyeing dyes are low temperature high exhaust reactive dyes suitable for dyeing , padding and printing of all types of cellulosic material.
2. They are applied by exhaust dyeing methods at temperature 60-65°C.
3. They offer high grade of all round fastness properties.
4. They have an advantage of high degree of exhaustion and fixation rates.
5. They offer excellent levelling properties and excellent alkali stability.
6. They give highly reproducible dyeing because of better alkali stability and low sensitivity to temperature.

Standard method with Concfix Dyeing Brand Dyes:



Quantities of Salt and Soda Ash for Concfix Dyeing Brand Dyes:

| Depth of Shades (o.w.f.) | Salt (g/l) | Soda Ash (g/l) |
|---------------------------------|-------------------|-----------------------|
| Up to 0.5 | 40 | 20 |
| 0.5 to 2.0 | 60 | 20 |
| 2.0 to 4.0 | 80 | 20 |
| Above 4.0 | 100 | 20 |

Key to Abbreviation:

| | | |
|--------------------------|---|-----------------------------------|
| LS | - | Less Suitable |
| S | - | Suitable |
| L | - | Low Reactivity |
| M | - | Medium Reactivity |
| H | - | High Reactivity |
| Light | - | 1 to 8 in increasing order |
| Washing | - | 1 to 5 in increasing order |
| Other | | |
| Discharge ability | - | G- Good / F- Fair / P - Poor |
| Stain | - | Staining on adjacent white fabric |

Washing Fastness: Test Method of ISO 3: Colour fastness to Wash: This method is design to

Determine the “effect” of washing on the Colour fastness of the textile, A specimen of the coloured

Textile in contact with one or two specified adjacent fabrics is mechanically agitated under specified

Condition of time and temperature in soap solution, then rinsed and dried. The change in Colour Specimen

and “stain” of the adjacent fabrics are assessed with grey scale.

Note: This information is provided in good faith to the best of our knowledge & without any liabilities.



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