



Color Way Flextreme™ Series (PWB)

WATER BASED / Elastic

Technical Data Sheet

Color Way Flextreme™ (PWB) Series is the water based solution for the market requirements for PVC&Phthalate-Free inks. Color Way Flextreme™ inks have been specifically formulated to work easily on the screen. Flextreme inks may also be used to print conventional cold-peel transfers. Recommended substrates for Flextreme inks are 100% cotton, cotton blends. **Note: It is advised to wait for 24 hours before washing.*

*** Non-Contamination:** Flextreme Series™ inks should not be modified or come in contact with any PVC or Phthalate containing ink. Use only recommended additives in order to prevent any contamination. All equipment which comes in contact with Flextreme Series inks (like mixing apparatus, squeegees, buckets, flood bars, screens, etc.) must be cleaned properly (free of inks or materials which may contaminate the Flextreme Series inks) before every use.

FEATURES

- PVC & Phthalate Free!
- Ready to print
- Matte colors
- Excellent soft hand
- Excellent elongation
- Excellent fastnesses
- Very low wet ink tack

PRINTER'S GUIDE

Bleed Resistance	Excellent
pH Value	7.5 - 8.0
Viscosity (Transparent)	153,000 - 154,000 mPa.s (Brookfield DV-E: spindle:7, rpm:20)
Viscosity (Whites and Colors)	131,000 - 132,000 mPa.s (Brookfield DV-E: spindle:7, rpm:30)
Stencil Type	Most direct emulsion stencils are suitable.
Mesh	43-77 t/cm (110-195 t/in)
Mesh (underbase)	43-61 t/cm (110-156 t/in)
Retarder	PWB-R10 Retarding Agent / Up to 3% by weight May be added to soften the hand and retard curing time. Adding PWB-R10 reduces the viscosity.
Fixing Agent	PWB-F44 Fixing Agent / Up to 2% by weight May be added to increase fixing on difficult substrates and improving washing fastness. Adding more than 2% will harden the feel and block the screen.
Thickener	PWB-T20 Thickener / Up to 3% by weight
Curing Information	150-170°C (302-338°F) / 1-3 minutes However, factors such as ink film thickness, curing equipment and fabric may influence the optimum cure time.
Storage	5-25°C (41-77°F). Avoid direct sun.
Cleanup	Water

Whites & Bases

PWB-111	Super White
PWB-130	Clear Base

Colors

PWB-211	Yellow
PWB-221	Dark Golden Yellow
PWB-311	Dark Orange
PWB-411	Red
PWB-440	Dark Carmine
PWB-511	Dark Fuchsia
PWB-520	Violet

PWB-620 Blue

PWB-630 Ultra Marine Blue

PWB-650 Navy Blue

PWB-705 Turquoise

PWB-720 Green

PWB-810 Brown

PWB-910 Black

Fluorescent Colors

PWB-FL10 Yellow

PWB-FL20 Orange

PWB-FL30 Red

PWB-FL40 Pink

PWB-FL50 Blue

PWB-FL60 Green

PWB-FL70 Magenta

PWB-FL80 Violet

Additives

PWB-F44 Fixing Agent

PWB-R10 Retarding Agent

PWB-T20 Thickener

* All recommendation and statements made, if any, are based on Renk Yolu Kimya's research and experience. However, since Renk Yolu Kimya has no control over the conditions of use or storage of the product sold, Renk Yolu Kimya cannot guarantee the results obtained through the use of its products. All products are sold and samples given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where protective rights of third parties involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.

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