



TECHNICAL BULLETIN

PHTHALATE-FREE PLASTISOL SERIES (PNP)

APPLICATION

The PNP series is designed for printing on Cotton, Cotton/Polyester blends and many other synthetic fibers. It is also suitable for both automatic and manual printing.

FEATURES

- **Phthalate Free!**
- Ready to print
- Excellent opacity
- Bright colors
- Very soft hand
- Matte finish
- Excellent elongation
- Is suitable to be mixed with any color from its own series.
- Excellent fastnesses
- Very low wet ink tack

PRINTER'S GUIDE

Bleed Resistance	Excellent
Stencil Type	Most direct emulsion stencils are suitable.
Mesh	54-62 t/cm (137-157 t/in)
Mesh (Flash Cure)	42-54 t/cm (107-137 t/in)
Mesh (on underlay)	62-77 t/cm (157-196 t/in)
Thinner	Up to 5% (by weight) S10-Thinner
Matting Agent	Up to 15% (by weight) M10-Matting Agent
Softener	Up to 3% (by weight) T10-Softener
Catalyst	Up to 1% (by weight) K10-Catalyst may be added to improve the adhesion of the ink to the fabric. The catalyzed ink has a shelf life of 6 hours.
Curing Information	160°C (320°F) / 3-5 minutes However, factors such as ink film thickness, curing equipment and fabric may influence the optimum cure time.
Storage	18-30°C (65-86°F). Avoid direct sun.
Cleanup	Mineral Spirits and some other non-hazardous screen washes.

AVAILABLE COLORS

- 100 - Transfer White
- 110 - White
- 120 - Flash Cure
- 211 - Yellow
- 221 - Dark Golden Yellow
- 311 - Dark Orange
- 411 - Red
- 440 - Dark Carmine
- 511 - Dark Fuchsia
- 520 - Violet
- 620 - Blue
- 630 - Ultra Marine Blue
- 650 - Navy Blue
- 705 - Turquoise
- 720 - Green
- 810 - Brown
- 910 - Black

ADDITIVES

- M10 - Matting Agent
- S10 - Thinner
- K10 - Catalyst
- T10 - Softener

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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