



QuantumOne from Wilflex is an exciting addition to the MX family of color mixing systems, combining cutting edge technology with the changing trends in our market place. QuantumOne is non-phthalate, non-PVC, acrylic-based screen printing ink, specially formulated by Wilflex with the same high quality performance and print application standards that you would expect from standard MX series inks.

www.wilflex.com/pib to access all Wilflex™ Product Information Bulletins

Features

New Technology

QuantumOne is formulated using non-PVC resins and non-phthalate plasticizers. These inks offer similar print application parameters as a vinyl plastisol ink system, a significant advantage for companies requiring an alternative non-PVC ink system.

Easy to Use, Easy to Mix

Part of the MX family of mixing systems with 15 mixing colors that have a soft hand and matte ink finish. No wasted time color matching, simply follow the MX recipes. Accurately create simulations of PANTONE® colors using QuantumOne.

Excellent wet-on-wet printing

Fewer flashes mean more available heads.

Resistance to Ink Build Up

Q1 easily combines current print shop conditions without changing any of the printing equipment parameters. Less down time = more available press time.

Software, Scales, Accuracy

Formulations available with Wilflex Ink Management Software (use MX formulas). Downloadable to the PC for use with automated digital scale. Weighing of components is fast and easy.

Advantages

Compared to Waterbase Inks

QuantumOne is designed to print and perform just like standard plastisol inks. As such, it enjoys many of the same production-friendly characteristics found in plastisols:

- ▶ Prints like plastisol (press setup)
- ▶ Cures like plastisol (similar time/temp.)
- ▶ No drying in screen.
- ▶ Compatible with spot remover guns.
- ▶ Reduced downtime by leaving inks in the screens for lunch breaks and end of the day closing.
- ▶ Faster run/cure rates than waterbase.
- ▶ Superior elongation of ink film compared with most waterbase inks.
- ▶ Supports a wider variety of special effect printing techniques than waterbase inks.
- ▶ Simplified emulsion and screen coating issues -prepress and press.

Specifications

PANTONE® Approved

Colors approved through 156 t/in(62 t/cm) mesh on white fabric, viewed with Cool White Fluorescent 4100K. Variation in screen mesh and ink deposit can result in variation in depth of color and opacity.

Substrate Recommendations

100% cotton.

Printing Recommendations

See Product Information Bulletin for application details. www.wilflex.com/pib

Questions/Answers

Commonly Asked Questions

What is QuantumOne?

QuantumOne is a non-phthalate, non-PVC plastisol ink mixing system.

What are phthalates?

Phthalates are liquid plasticizers, which are added to a plastic resin called polyvinyl chloride (PVC). Once heated the plasticizers absorb into the resin and act as a softener, resulting in a flexible plastic film.

Will QuantumOne inks look and feel like plastisol inks?

Yes! The inks have been formulated to offer similar characteristics including printing techniques and cure temperatures. Please review the PIB for details.

Is QuantumOne a water based ink?

No. QuantumOne inks act and print like plastisol inks, but do not contain PVC or phthalates.

Can I mix QuantumOne inks with other inks and additives?

You can only mix QuantumOne inks with similar non-pvc, non-phthalate inks.

What about cross contamination?

Proper precautions and procedures must be followed to ensure the non-PVC, non-phthalate integrity of the QuantumOne inks. Cross contamination can occur in multiple locations in the production environment. See the PIB for more details.

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