



QuantumOne from Wilflex is an exciting addition to the MX family of color curing 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/job across 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 its mixing collars that have a soft hand and matte ink finish. No wasted time color matching, simply follow the MX recipe. Accurately create simulations of PANTONE® colors using QuantumOne.

Excellent wet-on-wet printing

Fewer flashes mean more available beds.

Resistance to Ink Build Up

Quickly 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 formulated) 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 106-1/16 inch (1/64 inch) mesh on white fabric, viewed with Cool White Fluorescent proof. 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/job

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.

USA

Wilflex
 800 Gable Center Drive
 Newcomer, OH 43061
 Tel: 614-293-2100
 Tel: 614-293-2200
 Fax: 614-293-2202

England

Wilflex Corp. UK Ltd
 Dennis Road
 Wilshire Ditching, W16 8PT
 Great Britain
 Tel: +44 (0) 187 420 4000
 Fax: +44 (0) 187 420 4023

China

Wilflex China
 No. 1, Qifang Industrial Park
 Haining Road, Haining Town
 Baoshan District, Shenzhen 518102
 Guangdong, China
 Tel: +86 (0) 755 2979 0188
 Fax: +86 (0) 755 2979 0222

Turkey

Wilflex Turkey
 Mustafa Özgüner Sokak 5/100
 Kuşluköy Bölge Ofis, Hacı
 Halilpaşa Mahallesi, İstanbul, Turkey
 Tel: +90 (0) 212 293 21 01
 Fax: +90 (0) 212 293 21 01

email: technical@wilflex.com



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