



QUATRO™ DTF Series Ink—Technical Data Sheet

M&R's QUATRO™ Direct to Film (DTF) Inks are water-based, high-density pigment inks, formulated specifically for use in the M&R QUATRO Direct to Film Transfer System. QUATRO inks offer an ultra-high opacity white, vibrant colors and the ability to create vivid, high-quality transfer prints that are stretchable, durable and can be transferred onto a wide array of fabric types.

Primary Features & Substrates

Features

- High density, opacity ink set
- Bright, vibrant and clean colors
- Excellent elasticity
- Low odor
- Reliable printer performance
- Great durability/fastness

Substrates

- Cotton fabric
- Polyester fabric
- Blended fabrics

Physical Parameters

- Viscosity at 25°C ≈ 4.0cPs
- Surface tension 30 – 32 dynes/cm
- Ph ≈ 9
- Specific gravity 1 – 1.1

Storage

- QUATRO inks should be stored in a clean, dry, cool area at a temperature range of 5°C – 30°C.
- If the inks are frozen, DO NOT USE.

Storage/Shelf Life

QUATRO inks have a shelf life of 12 months from the date of manufacture. To ensure the ink gives optimal performance throughout its shelf life, it is imperative that the ink bottles are periodically agitated/shaken vigorously.

Agitate/shake the white ink bottles in stock for a few minutes every week until the ink is fully mixed with no visible sediment showing on the base of the bottle. Agitate/shake the white ink bottles for a few minutes until the ink is

fully mixed with no visible sediment showing on the base of the bottle before installing in the printer. After shaking, leave for 2 hours before installing in the printer.

Regulatory

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Environmental Operating Parameters

- Temperature: 20°C – 25°C
- Humidity: 50% – 70% (non-condensing)

Recommended Usage Parameters

- Dry/Bake at 120°C for 4 minutes*
- Transfer at 140°C – 150°C for 10 – 15 seconds*

*Parameters will vary with equipment, powders, and film types.

Manufacturer's Product Offering

All items listed below are available in 1 liter bottles:

Inks

Item Number	Description
QTRO-CYAN-1	QUATRO Ink - Cyan
QTRO-MAGENTA-1	QUATRO Ink - Magenta
QTRO-YELLOW-1	QUATRO Ink - Yellow
QTRO-BLACK-1	QUATRO Ink - Black
QTRO-WHITE-1	QUATRO Ink - White

Fluids

Item Number	Description
QTRO-CLEAN-1	QUATRO Cleaning Fluid

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