

# QX-7 UNIVERSAL CTS EMULSION

# Ulanano<sup>®</sup>

 **QX-7™**

***FAST-EXPOSING, SBQ DUAL-CURE DIRECT EMULSION FOR GRAPHIC AND INDUSTRIAL PRINTING WITH SUPERIOR SOLVENT AND HUMIDITY RESISTANCE, EXCELLENT MECHANICAL DURABILITY, IDEAL FOR COMPUTER-TO-SCREEN LED AND LASER EXPOSURE UNITS***

**QX-7™** is a universal SBQ-dual cure emulsion with excellent resolution for industrial graphics and electronics printing (PCB, conductive traces, functional wearables), compatible with UV, virtually all solvent-based inks and some water-based graphic inks. **QX-7™** is formulated for sensitivity to UV and near-UV-visible blue light, by means of UV LED- and laser-based computer-to-screen exposure. It can be also exposed with traditional metal halide light sources.

**QX-7™** features very fast exposure speed, while offering wide exposure latitude. It provides non-tacky surfaces, high humidity resistance and offers superb wet strength. **QX-7™** features excellent resolution and edge definition. **QX-7™** is resistant to virtually all solvents used in industrial and PCB applications.

Due to innovative colorants used **QX-7™** stencils are resistant to color fading and stencil discoloration upon water and solvent application. During printing **QX-7™** exhibits excellent mechanical and chemical durability. By using specially optimized sensitizers **QX-7™** facilitates excellent exposure light penetration, ensures thorough curing and offers very easy reclamation with stencils leaving no latent haze on the mesh after decoating.

Solids: 38%. Viscosity: 6000 - 7000 cps (25° C.) Shelf life: one year.

## **FEATURES AT A GLANCE**

- **Pre-sensitized with SBQ**
  - Convenience: no measuring or mixing
  - Long shelf and coated screen life
- **High (38%) solids content**
  - Fast drying; good EOM (emulsion over mesh thickness) buildup per coat
- **Enhanced SBQ-dual cure formulation**
  - Excellent abrasion resistance and durability
  - Excellent solvent resistance
  - Very good imaging properties
  - Dry-to-touch surfaces and excellent humidity resistance, reasonable water-resistance
  - Can be post-exposed for an additional water-resistance
- **Specially optimized sensitizers**
  - Ideal for computer-to-screen UV LED and UV laser-based exposure units
  - Very thorough curing with minimal gradient of exposure
  - Easy reclamation with minimal or no haze
- **Wide exposure latitude**
  - Reliable performance in less than ideal shop conditions
  - Easy to reclaim, even if underexposed and used with aggressive solvents
- **Vibrant Blue color**
  - Good see-through registration
  - Excellent through-exposure curing combined with very good contrast
- **Special wetting agents**
  - Excellent coatability
  - Forgiving of poor fabric preparation

