

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
- ▶ 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
- ▶ High (38%) solids content
 - √ Fast drying; good EOM (emulsion over mesh thickness) buildup per coat
- ▶ 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

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FOR ADDITIONAL INFORMATION PLEASE CONTACT YOUR LOCAL DISTRIBUTOR OR:

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