

# STI Silicone Direct Print Ink Series

# EVOLUTION



## STI7700 SILICONE PEARLESCENT INK SERIES

The Evolution Silicone Pearlescent Ink Series contains seven colours to produce shimmering special effect prints on smooth fabrics constructed of 100% polyester fabrics. It is especially formulated to be used on lycra/spandex due to its excellent elongation. The gloss finish and smooth hand feel produces very pleasing results when printed on any fashionable garment. A thicker ink stencil with multiple coats of emulsion on the bottom side of the screen, or a print/flash/print technique may be necessary to produce the desired special effects. If printing on sub-dyed fabrics or dark fabrics, it may be necessary to underbase this ink series with either STI7960 Silicone White or STI7911 Silicone Defender Black Dye Blocker.

### Technical Information

Mixing Catalyst  
STI7160 and STI7161—3 ½-5% by weight

**NOTE**—Amounts less than the minimum amount will result in a finished ink that may not cure properly. The amounts of catalyst mixed into the inks should be carefully weighed using a digital gram scale. STI7160 is a liquid that must be shaken vigorously before adding as contents may settle during storage. It is recommended that only the amount of ink that can be used in a four to six-hour period be mixed at any one time. Higher amounts of catalyst will diminish the pot life of ink more rapidly. Do not test for stretch and adhesion to fabric prior to 72 hours after transferring.

**Colours**—STI7700PBK Pearlescent Black, STI7700PSI Pearlescent Silver, STI7700PRE Pearlescent Red, STI7700PGO Pearlescent Gold, STI7700PBL Pearlescent Blue, STI7700PPU Pearlescent Purple, STI7700PGR Pearlescent Green.

### CAUTION

Always test finished prints for color accuracy, curing, adhesion, opacity, crocking, stretch and desired look prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this ink will test PVC-free or phthalate-free if any pigment or additive other than an Evolution Pigment Concentrate or STI component that has been manufactured by Lancer Group International is used in this ink. Contamination can also occur from mixing tools, mixing buckets, spatulas, squeegees, or flood bars that have had prior contact with inks containing PVC's or phthalates and these tools must be thoroughly cleaned before using with the STI Silicone Ink System.

## TECHNICAL DATA



**IDEAL FABRIC**  
100% POLYESTER PERFORMANCE WEAR FABRICS. DARK OR SUB-DYED FABRICS THE APPROPRIATE UNDERBASE.



**MESH**  
83-125/inch (32T-48T cm).



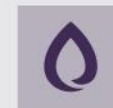
**SQUEEGEE**  
70 durometer or 70/90/70 Triple Durometer.



**STENCIL**  
Any PVC-free or phthalate-free emulsion compatible with plastisol inks.



**CURING**  
250°-290° F (125°-147° C) for 1 ½ to 2 minutes after proper amount of catalyst has been mixed. See Technical Information.



**PIGMENT LOADING**  
N/A.



**ADDITIVES**  
STI7502 Viscosity Reducer in increments of 3-4% by weight maximum.



**STORAGE**  
30°C/84°F in tightly closed containers.



**CLEANING**  
Enviro Series TR Blend or Mineral Spirits.



**LANCER GROUP INTERNATIONAL**

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