

# Synergy Inks

## NexGen Cotton<sup>1.0</sup>

### Phthalate-Free Plastisol Ink

### Product Data Sheet



#### Composition

- Phthalate-Free – does not contain phthalates
- 100% solids – does not contain solvents

#### Product Features

- Lays on top of garment with a smooth, soft, dry finish
- Flashes fast with minimal hot-tack
- Provides ideal imprint-able surface as an underbase
- Maximum coverage and smoothness as a hi-light white
- Maximum throughput – prints even whiter at higher speeds
- Flat finish – no gloss
- More stable in extreme shop temperatures
- Clears mesh with min squeegee pressure

#### Surface & Appearance

- |                |  |
|----------------|--|
| ➤ Gloss        | No Gloss – Matte Finish                          |
| ➤ Hand         | Smooth & soft                                    |
| ➤ Fibrillation | Negligible – almost zero                         |
| ➤ Matte Down   | Excellent bridging & fiber coverage              |
| ➤ Smoothness   | Smooth surface – especially printed at hi-speeds |

## Thermal Properties

Thermally, NexGen Cotton will perform in the same range as traditional plastisol inks, however, flash time and temperature will be below industry standards, and with minimal to no hot-tack (no cool-down station). Cure time & temperature should be comparable to your current settings.

In all cases, you may want to optimize times and temperatures based on your inks, deposit, & ambient temperature. Minor changes may be required for optimal times/temperatures.

NexGen Cotton will provide maximum durability and washability.

## Application Guidelines

- Always stir ink prior to putting in the screen
- Stroke Speed: Maximum stroke speed is recommended for highest quality print  
*For more information on the advantages of print speed go to our FAQ page at:  
[www.synergyinks.com/faq.aspx](http://www.synergyinks.com/faq.aspx)*
- Clearing: Clears mesh cleanly and at minimal squeegee pressure
- Squeegee pressure: Use minimum pressure required to clear the mesh
- Mesh Counts: NexGen Cotton prints on all industry typical mesh counts (60-420)
- Squeegee Blade: NexGen Cotton can be printed with most industry typical squeegee blade durometers & configurations. As always, one should select the proper blade to work with the mesh, print at maximum speed, and provide the required deposit, detail, and opacity for the application.

## Restrictions

- For use on 100% cotton ONLY – NO SYNTHETICS
- Not for use on heat transfers
- Not intended for use on highly elastic synthetic garments
- Do not add any reducers or additives except Synergy MAGIC
- No Dry Cleaning
- No ironing
- Store ink in a cool environment