

Synergy Inks

NexGen Base^{1.0}

Phthalate-Free Plastisol Ink

Product Data Sheet



Composition

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

Product Features

- Most versatile base on the market
 - Holds details and halftones up to 120 LPI
 - Excellent coverage for solid areas
 - Clean enough for highly saturated transparent colors
 - Dense enough for high opacity colors
- Can be printed first-down and printed wet-on-wet
- Flashes fast with minimal hot-tack
- Softest hand with a smooth, dry finish
- Flat finish – no gloss

Surface & Appearance

[Characteristics subject to quantity & colorants added]

- | | |
|----------------|--|
| ➤ 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 Base will perform at or near traditional plastisol inks. Flash time & temperature and 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 Base will provide maximum durability and washability.

Application Guidelines

- Always stir ink prior to putting in the screen
- Build-up: Minimal under typical printing parameters. Extreme environmental conditions may compromise build-up resistance, however NexGen Base is designed to minimize build-up under all conditions.

For more information on build-up go to our FAQ page at:
www.synergyinks.com/faq.aspx

- 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

- Clearing: Clears mesh cleanly and at minimal squeegee pressure
- Squeegee pressure: Use minimum pressure required to clear the mesh
- Mesh Counts: NexGen Base prints on all industry typical mesh counts (60-420)
- Squeegee Blade: NexGen Base 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

- 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