wilflex™

Product Information Bulletin

11135WHT Olympia Plus White

Wilflex™ Olympia Plus White is an opaque base and highlight white specially formulated for non-bleed 100% Cotton garments. Its fast flash time and superior low after-tack also enables the ink to be used as a flash white. Olympia Plus White is an excellent all round, general-purpose white ink.

Highlights

- Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008
  - Section 101, Lead Content in Substrates (<300 ppm lead);
  - 16 CFR, Part 1303, Lead in Paint (<90 ppm lead).
- For use on 100 percent cotton garments.
- Fast flashing.
- Low after-tack.
- No cooling station required.
- Prints through fine meshes.
- Use as a first-down, underbase flash white or an overprint stand-alone white.
- Odorless.
- Excellent opacity.
- Optically Bright.
- Matte appearance.
- Excellent fiber mat-down.
- Excellent all round, general-purpose white ink.

Printing Tips

- For best results, follow the recommended Printing Parameters.
- Avoid excessive squeegee pressure.
- Due to differences in power, height above ink film and efficiency of the flash drying unit, specific dwell time cannot be given.
- To increase production speeds, use finer mesh counts for the flash plate to decrease gel time. Set flash dwell times on heated pallets to simulate production. Adjust your settings so that the ink is just dry to the touch.
- Use consistent, high tensioned screen mesh to optimize performance properties.

Precautions

- Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink gel and cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film and verified on the production run substrate(s) and production equipment. It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet your customer's standards or specifications.
- Avoid over flashing as it can result in poor inter-coat adhesion of colors.
- Avoid polyester-based fabrics where dye migration will occur.
- Reducing viscosity will adversely affect opacity.
- Stir plastisols before printing.
- Do not dry clean, bleach or iron printed area.
- Any application not referred in this product bulletin should be pre-tested or consultation sought with Technical Services Department prior to printing.
- Email: techserviceswilflex@polyone.com

Printing Parameters

Opacity	8
Bleed Resistance	1
Smooth Surface	8
Flash	8
Gloss	5
Printability	9

Fabric Types
100% Cotton

Mesh
Counts: 86-305 t/in (34 - 120 t/cm) recommended
Tension: 25-35 n/cm² recommended

Squeegee
Durometer: 60-90, 70/90, 70/90/70
Edge: Sharp
Stroke: Hard flood, fast speed
Avoid excess pressure

Stencil
Direct: 2 over 2
Capillary/ thick film: N/A
Off contact: 1/16" (.2 cm)

Gel/Cure Temperatures
Gel Temp: 200 -210 F (93 - 99 C)
Cure Temp: 320 F (160 C) entire film

Pigment Loading
MX: N/A
EQs: N/A
PCs: N/A

Additives
Extender: None recommended
Reducer: 5% max - 10070RDCR - Curable Reducer
3% max - 10025VB QEC Viscosity Buster

Storage
65°-90°F (18°-32°C)
Avoid direct sun.
Use within one year of receipt.

Clean Up
Wilflex Screen Wash

Health & Safety
MSDS: www.polyone.com

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