

19100WOI Wilflex Oasis™ Intense Black

Wilflex™ Oasis Intense Black is a ready to use high solids water-based ink developed for use with the Intense and Hydrate ink systems. Oasis Intense Black provides high color saturation with superior print performance and durability.

Highlights

- ▶ Excellent color fastness and durability.
- ▶ Good elongation.
- ▶ Excellent fiber matte down.
- ▶ Smooth, matte surface with minimal tack.
- ▶ Good screen “open” time.
- ▶ High strength, designed for bright color development.

Printing Tips

- ▶ Use 110-160 t/in (43-62 t/cm) screen mesh for large coverage areas and non-detailed graphics. Print detailed images with 180-305 t/in (70-120 t/cm) screen mesh.

Compliance

- ▶ Non-PVC, non-phthalate.
- ▶ For compliance certifications, please visit www.wilflex.com/compliance.

Precautions

- ▶ Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink flash temperatures should be measured on the ink surface using an infrared thermometer sensor. Ink cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film (printed) 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.
- ▶ To avoid ink interaction in the image area, verify that the screen mesh is clean of previous ghost images. The image area must be clean and de-hazed.
- ▶ Most substrates are suitable for printing, however, fibers which possess a low surface adhesion (e.g. polypropylene, silk, polyamide or wool) will require special care during drying and cure processes. Test all fabrics for color fixation and wash fastness before starting any production runs.
- ▶ Excess additions of Oasis additives into Oasis inks may adversely affect ink properties.
- ▶ Infrared dryers may affect curing times. Carefully test and monitor different heat capacities to ensure full cure of inks.
- ▶ Ink cure temperature is recommended at 320°F (160°C) for 1 full minute. Check the cure temperature at the ink surface.
- ▶ Containers must maintain air-tight seal when not in use.
- ▶ **NON-CONTAMINATION OF OASIS INKS:** Do not add or mix non-Oasis inks, additives or extenders with Oasis inks. All buckets, palette knives, stirring apparatus, squeegees, flood bars and screens must be cleaned properly and free of phthalates and PVC containing inks. Non-phthalate emulsions and pallet adhesives must be used. Failure to follow these precautions may cause phthalate contamination in violation of consumer protection laws and regulations.
- ▶ Any application not referred in this product information bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing.
- ▶ Email: techserviceswilflex@polyone.com



Fabric Types

100% cotton, some synthetics, some blends



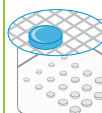
Mesh

Counts: 110-305 t/in (43-120 t/cm)
Tension: 25-35 n/cm²



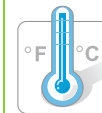
Squeegee

Durometer: 60
Edge: Square, Sharp
Stroke: Medium-Fast
Angle: Steep (15-20°)
**Do not use excess squeegee pressure.*



Water-Resistant Stencil

Direct: 2 over 2
Capillary/Thick Film: N/A
Off Contact: 1/16" (.2cm) or lower
Emulsion-over-Mesh: 15-20%



Flash & Cure Temperatures

Flash: 190-200°F (90-95°C) ink temp
Cure: 1 minute @ 320°F (160°C)



Pigment Loading

WPC: N/A
**All percentages listed at % by weight.*



Oasis Additives

Oasis Softener: 0.5% rate, 3% max.
Oasis Retarder: 1% rate, 3% max.
Oasis Thickener: 0.1% rate, 1% max.
Refer to Oasis base PIB
**All percentages listed at % by weight.*



Storage

37-104°F (3-40°C)
Use within one year of manufacture date.
Keep containers sealed at all times.
Insulate product to avoid extreme hot or cold temperatures.



Clean Up

Warm Soap Water (Tap)
Gentle Pressure



Health & Safety

MSDS: www.polyone.com or
Contact your local CSR.