AVIENT SPECIALTY INKS

INFINITE FX HD SOFT DENSITY

PRODUCT INFORMATION BULLETIN

Avient™ Specialty Inks INFINITE FX HD SOFT DENSITY is specifically formulated for high density printing with a soft texture feel. Printed images can have either a smooth or textured surface depending on mesh counts and printing parameters. HD Soft Density is soft to the touch, durable and stretchable and prints through a wide range of mesh counts and stencil thicknesses.

HIGHLIGHTS

- K2574 HD SOFT BASE
  11000 HD SOFT WHITE
  19000 HD SOFT BLACK
- Smooth or textured soft surface and good edge definition
- Tintable for infinite color combinations
- Excellent adhesion to fabrics, stretch properties, and wash durability
- Suitable for high density or conventional flat screens

PRINTING TIPS

- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results. Recommended mesh counts can vary depending on particle size
- For best HD results, use open mesh counts with 200 - 400 micron capillary film and print-flash-print. Use a heavy flood to fully fill the open areas of the stencil with ink then print with medium squeegee pressure
- Best results when printed directly onto fabric
- Adjust off-contact to imprint mesh patterns into HD Soft Base for textured feel and unique design effect
- Tintable with plastisol colorants. See Pigment Loading section for suggested tinting percentages. Reduce the amount of white colorant in the formula as specialty base will lighten the color
- Adjusting cure temperature and dwell time will yield a variety of textured effects

COMPLIANCE

- Non-phthalate

PRECAUTIONS

RECOMMENDED PARAMETERS

Fabric Types

100% cotton, cotton blends, some synthetics

Mesh

Count: 86-230 t/in (34-91 t/cm)
Tension: 25-35 n/cm2

Squeegee

Durometer: 70/90/70, 70
Profile: Square, Sharp
Stroke: Hard flood, Medium stroke
Angle: 10-15%

Stencil

2 over 2
Off Contact: 1/16" (.2cm)
Emulsion Over Mesh: 15-20% or 200-400 micron

Flash & Cure

Flash: 220°F (105°C)
Cure: 320°F (160°C)

Pigment Loading

up to 10% Wilflex PC
up to 15% Wilflex EQ
up to 30% Wilflex MX/RIO
up to 15% Rutland C3 Boosters

Additives

2910 VISCOSITY BUSTER - 1% max
2912 VISCOSITY BUSTER - 1% max

Storage

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

Clean Up

Dispose unused ink responsibly.
Standard plastisol cleaners, press wash, or ink degradant

Health & Safety

Find SDS information here:
www.avient.com/resources/safety-data-sheets
or contact your local CSR

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