AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

2440 INFINITE FX HD CLEAR 2

Avient™ Specialty Inks INFINITE FX HD CLEAR 2 is a clear developed to create the appearance of glass, gel, water or high gloss surfaces. HD Clear 2 can be used in high density applications or blended with other texture inks to create unique effects. It is also an effective adhesive carrier for foil, flock, and other applications.

HIGHLIGHTS

- High gel, gloss appearance, low-tack feel
- Use as foil or flock adhesive
- Use as a High Density Clear, either on its own or tint with color
- Use as an overprint clear to enhance color vibrancy and create gloss surfaces
- Excellent adhesion to fabrics, stretch properties, and wash durability

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
- Print in last position or flash after each print if using multiple screens
- Commonly used as a foil or flock adhesive
- Tintable with plastisol colorants. See Pigment Loading section for suggested tinting percentages. Adjust the % colorant added based on the strength of the colorants and color saturation desired
- Amber appearance in the bucket but will gain transparency after cure. Achieves good clarity at high ink deposit
- For flock adhesion, print using 70 duro squeegee 86-110 t/in (34-43 t/cm) with 200 micron stencil and then apply the flock fibers onto the wet ink layer and cure at 320°F (160°C)
- For improved flock adhesion, add up to 5% INFINITE FX HUGGER CATALYST. Adding Hugger Catalyst reduces pot life to 4-8 hours
- For foil transfers, print HD Clear 2 using 70 duro squeegee and 86-110 t/in (34-43 t/cm) and 2 strokes. Place foil face up with teflon sheet and apply foil with heat press at 330°F (165°C) for 10-12 sec at medium pressure. Cool shirt before peeling foil. HD Clear 2 can be used as a foil adhesive after cure with a heat press or with an automatic in-line press foil application.

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit www.avientspecialtyinks.com/services/compliance-support

PRECAUTIONS

The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications

RECOMMENDED PARAMETERS

Fabric Types

100% cotton, blends, spandex, uncoated nylon, acrylic

Mesh

Count: 24-110 t/in (9-43 t/cm)
Tension: 25-35 n/cm2

Squeegee

Durometer: 60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Slow 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

upto 10% Wilflex PC
upto 15% Wilflex EQ
upto 40% Wilflex RIO / MX
up to 30% Rutland C3 Boosters

Additives

N/A

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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