AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

ASI Nova Base

ASI Nova Base is a multi-purpose special effect ink for creating dry flake glitter effects and other specialty print surfaces. When mixed with a glitter particle flake, ASI Nova Base has the ability to penetrate the fabric and leave the glitter flake exposed and dry to touch. ASI Nova Base allows the glitter flake to retain its edge sharpness and brilliance when printed onto light and dark fabrics.

HIGHLIGHTS

- Multi-purpose specialty base that creates textured surfaces when pigments, finished inks or particles are added
- Base penetrates fabric, leaving glitter flake exposed and dry. Allows glitter to retain sharp edges, shine and clarity
- Tintable with plastisol colorants
- Excellent wash properties. Glitter stays on the design!
- Low-cure, save energy

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
- Mix up to 15% glitter particles dependent on particle size and desired look, mix thoroughly. A particle size of .008" x .008" is a good recommendation
- Print in last position or flash after each print if using multiple screens
- Use a heavy flood stroke and then light squeegee pressure to print ASI Nova Base and glitter particle ink onto the garment. Excessive print pressure can cause too little base to be on the surface for a good adhesion to the flake
- To achieve the dry flake effect, print ASI Nova Base and glitter mixture directly onto the fabric to allow the base to penetrate into the garment. To achieve a glossier look, print the ink onto a flash-dried base plate
- 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
- Metallics reflect infrared heat and a forced air dryer is recommended for curing. If using an electric oven, extend dwell time to achieve proper cure
- Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption
- ASI Nova Base can be cured between 270°F - 320°F (132°C - 160°C)

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, some synthetics

Mesh

Count: 24-61 t/in (9-24 t/cm)
Tension: 25-35 n/cm2

Squeegee

Durometer: 60/90/60, 60-70
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%

Flash & Cure

Flash: 220°F (105°C)
Cure: 270°F (132°C)
Entire Ink Film

Pigment Loading

up to 5% Wilflex PC
up to 10% Wilflex EQ
up to 15% Wilflex RIO / MX
up to 10% 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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