wilflex™

10399PFXNB EPIC™ NOVA BASE

PRODUCT INFORMATION BULLETIN

LOW CURE

WILFLEX™ Epic Nova Base is a non-phthalate plastisol designed as a multi-purpose special effect ink for creating dry flake glitter effects and other specialty print surfaces. When mixed with a glitter particle flake, Epic Nova Base has the ability to penetrate the fabric and leave the glitter flake exposed and dry to touch. Epic 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 Wilflex Colorants
- Excellent wash properties. Glitter stays on the design!
- Low-cure, save energy

PRINTING TIPS

- Mix up 20-30% glitter particles dependent on particle size and desired look, mix thoroughly. A particle size of .008" x .008" is a good recommendation
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results. Recommended mesh counts can vary depending on particle size
- Tintable with PC, Equalizer, RIO or MX finished ink colorants. See Pigment Loading section for suggested tinting percentages. Adjust the % colorant added based on the strength of the colorants and color saturation desired
- To achieve the dry flake effect, print 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
- Use a heavy flood stroke and then light squeegee pressure to print Nova Base and glitter particle ink onto the garment
- 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
- 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.avient.com/wilflex-compliance

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

60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Medium stroke
Angle: 10-15%

Stencil

2 over 2
Off Contact: 1/16” (2mm)
Emulsion Over Mesh: 15-20%

Flash & Cure

Flash: 220°F (105°C)
Cure: 270°F (132°C)
Entire ink film

Pigment Loading

up to 3% PC recommended
up to 5% EQ recommended
up to 15% RIO recommended
up to 15% MX recommended

Wilflex™ Additives

NA

Storage

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

Clean Up

Ink degradant or press wash

Health & Safety

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

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AVIENT SPECIALTY INKS

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