PRODUCT INFORMATION BULLETIN **AVIENT SPECIALTY INKS** 2564 Infinite FX Nova Base 2564 Infinite FX Nova Base is a multi-purpose special effect ink for creating dry flake glitter **Fabric Types**

effects and other specialty print surfaces. When mixed with a glitter particle flake, 2564 Infinite FX Nova Base has the ability to penetrate the fabric and leave the glitter flake exposed and dry to touch. 2564 Infinite FX 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

Excellent wash properties. Glitter stays on the design!

Low-cure, save energy

- \$ Base penetrates fabric, leaving glitter flake exposed and dry. Allows glitter to retain sharp edges, shine and clarity
- Tintable with plastisol colorants

PRINTING TIPS

- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results. - 22 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 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 2564 Infinite FX 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
- \$ INFINITE FX NOVA BASE can be cured between 270°F - 320°F (132°C - 160°C)

COMPLIANCE

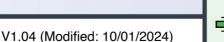
- Non-phthalate ø
- > For individual compliance certifications and conformity statements, please visit www.avientspecialtyinks.com/services/compliance-support

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

AVIENT SPECIALTY

INKS



Find SDS information here: www.avient.com/resources/safety-data-sheets

2024, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MARCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner



RECOMMENDED PARAMETERS



100% cotton, blends, some synthetics



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%



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



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

Health & Safety



or contact your local CSR