



AVIENT SPECIALTY INKS

ASI Halftone Base

ASI Halftone Base is a non-phthalate ink designed to produce Process and Fluorescent colors. ASI Halftone Base can be used with any of our Pigments and Boosters or as an additive with our finished inks when printing fine detail with high mesh counts.

HIGHLIGHTS

- » Satin or matte finish
- » Prints easily through recommended meshes
- » Excellent flash properties
- » Will not dry in the screen

PRINTING TIPS

- » Recommended for use with pigment concentrates at 10% max by weight
- » For cotton fabrics, underbase with a plastisol cotton white
- » For bleed resistance, use an underbase LB or poly white

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



AVIENT
SPECIALTY
INKS

V1.28 (Modified: 08/26/2025)

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

100% cotton, cotton blends, polyester, some synthetics



Mesh

Count: 230-305 t/in (91-120 t/cm)
Tension: 25-35 n/cm²



Squeegee

Durometer: 60-70, 60/90/60
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: 160°F (70°C)
Cure: 320°F (160°C)



Pigment Loading

up to 10% Wilflex PC/EQ
up to 25% Wilflex RIO / MX
up to 10% Rutland C3 Boosters
up to 25% Rutland M3



Additives

ASI 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