

# **AVIENT SPECIALTY INKS**

#### PRODUCT INFORMATION BULLETIN



# **ASI Sculpture Base**

ASI Sculpture Base is a specially formulated for high density printing with a hard texture feel. Printed images can have either a smooth or textured surface depending on mesh counts and printing parameters. ASI Sculpture Base controls the smallest design details—even with high density printing.

## **HIGHLIGHTS**

- Smooth or textured hard surface and excellent edge definition
- Excellent performance with providing structure and shape for HD prints
- Tintable for infinite color combinations
- Excellent adhesion to fabrics, stretch properties, and wash durability
- Use by itself or intermix with other ASI Bases for unlimited design effects
- Suitable for high density or conventional flat screens

## **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
- > Best when printed over a flash-dried underbase but suitable to be printed direct
- Adjust off-contact to imprint mesh patterns into Sculpture Base for textured feel and unique design effect
- Tintable with plastisol colorants. See Pigment Loading section for suggested starting tinting percentages. Reduce the amount of white colorant in the formula as specialty base will lighten the color
- ASI Sculpture Base is commendable in keeping shape and providing structure for HD print designs. Use Sculpture Base by itself or combine with other ASI bases for a unique effect

## 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



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V1.12 (Modified: 06/03/2025)

### RECOMMENDED PARAMETERS



## **Fabric Types**

100% cotton, cotton blends, some synthetics



#### Mesh

Count: 86-230 t/in (34-91 t/cm) Tension: 25-35 n/cm2



## Squeegee

Durometer: 70/90/70, 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**

up to 5% Wilflex PC up to 8% Wilflex EQ or Rutland C3 up to 30% Wilflex RIO/MX or Rutland M3



## Additives

ASI Viscosity Buster - 1% max ASI Viscosity Buster LC - 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

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