



AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN



ASI Hugger Catalyst

ASI Hugger Catalyst is an additive used to increase the adhesion of plastisol inks to nylon and other tightly woven materials.

HIGHLIGHTS

- Use for Nylon wind breakers, Jerseys, bags, Banners, and other slick surfaces that plastisol struggles to adhere to
- Works with plastisol ink which does not contain water

PRINTING TIPS

- Stir inks thoroughly when adding catalyst
- Mix 10% by weight of ASI Hugger Catalyst to plastisol ink for printing on tightly woven nylon such as umbrellas, bags and jackets
- When printing on nylon material that has been treated to repel water, the waterproofing must be removed. Remove waterproofing by wiping down the print area with rubbing alcohol or acetone. Check for penetration of the waterproofing with small drops of water. The water drops will spread and penetrate the fabric if the waterproof coating is properly removed
- ASI Hugger Catalyst activates upon exposure to moisture in the air. The amount of moisture exposure determines the shelf life of the mixed ink. Pot life generally ranges from 4-8 hours
- OTHER USES: ASI Hugger Catalyst can be used at 3% by weight to reduce fibrillation issues when printing on 100% cotton
- The cross-linking reaction between the catalyst and ink takes approximately 48-72 hours to fully bond to the fabric. Adhesion test should be conducted after the cross-linking process is complete
- Immediately after printing, remove catalyzed ink from screens using cleaning solvents to prevent permanent mesh damage. Clean squeegees and other printing apparatus immediately after use

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

see relevant PIB



Mesh

Count: see relevant PIB
Tension: see relevant PIB



Squeegee

Durometer: see relevant PIB
Profile: see relevant PIB
Stroke: see relevant PIB
Angle: see relevant PIB



Stencil

see relevant PIB
Off Contact: see relevant PIB
Emulsion Over Mesh: see relevant PIB



Flash & Cure

Flash: see relevant PIB
Cure: see relevant PIB



Pigment Loading

N/A



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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