



Libra™ Special Effect Gel

RECOMMENDED PARAMETERS



Fabric Types

100% Polyester, Cotton and Poly/
Cotton blended fabrics



Mesh

Counts: 80-225t/in (34-90t/cm)
Tension: 18-35n/cm³



Squeegee

Medium: 70 or 60-90-60
Profile: sharp, square
Stroke: x2 stroke, medium speed
Angle: 10-15%



Stencil

Standard Emulsion
Off Contact: 1/16" (2mm)
Emulsion Over Mesh: High Density
100-400 micron



Flash & Cure

Flash: 300°F(149°C) for 4 seconds
(on preheated pallets)
Cure: 60 seconds at 270°F(132°C)



Pigment Loading

Libra™ Silicone Pigments
Maximum 20%



Libra™ Additives

Libra™ Catalyst: 1%
Libra™ Retardant: 1-2%
Libra™ Pigment/Toner: up to 20%



Storage

Store in sealed containers
12 months from manufacture
>40F (5C) <77F (25C)



Clean Up

Standard plastisol cleaners



Health & Safety

SDS: www.polyone.com/resources/safety-data-sheets
or contact your local CSR

Libra™ Special Effect Gel bases consist of low viscosity translucent bases (Part A&B) to bring a crystal clear, glossy effect to your silicone prints. A semi-tack to tacky finish is produced with this product. The ink can be pigmented with Libra pigments and toners or special effect additives. Designed for special effect top coats, adhesive for foil, flock or adhesive underbase for difficult to adhere fabrics.

HIGHLIGHTS



Crystal clear, glossy finish



Semi-tack to tacky hand



Super-soft hand feel



Clear base

PRINTING TIPS



Mix Part A to Part B in a 1:1 ratio with desired special effect glitter, flake or pigment. No additional catalyst is necessary for this gel; however, for longer ink working life, Libra™ Silicone Retardant can be used at 1-2% to extend the screen open life of the catalyzed ink. Libra™ Silicone pigments or special effect powders can be added up to 20 parts. Mix well and print. To prevent wastage only catalyze what is need to print for 4 hours.



Use 86-225t/34-90t mesh screens for best performance.



Print with 1/16" or 2mm off contact.



Print two strokes to ensure the mesh is clear and you have a good ink deposit.



Flash between prints.



Clean the stencil area when stopped to prevent screen blockages.



Prints should be cured at 270°F /132°C for 60 seconds. Check the cure temp at the ink surface.



Test all prints for print durability before starting the production run.

COMPLIANCE



Non-PVC, non-phthalate



Visit www.polyone.com/zodiacinks/libra
for more information

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