

# SHORI CHEMICALS

( a complete screen printing solutions)

314, industrial area-a, Ludhiana.Punjab, India.

Ph-off-0091-161-2222463,2603419Fax-0091-1612-600209

Email:info@shorichemicals.com [www.shorichemicals.com](http://www.shorichemicals.com)

## NON-PVC PLASTISOL INK

**ACRYPLAST** is a non-phthalate, non-pvc plastisol screen printing ink system- 100 percent solid ink free from volatiles . Provides printers with the same print application parameters as pvc plastisols. ink system without having to change any of the standards associated with printing equipment, drying equipment , or the printing of the inks.

It is available as an easy-to-use 15 color mixing system and allows production of simulated shades in-house.In addition, there is a direct print cotton white to use as an underbase white and as a spot white ink. The inks produce a matte finish and are suitable or high speed print production. The inks can be used for print-flash-print

PRINTER'S PARAMETERS	
Substrates	100% cotton, cotton blends, some synthetics
Bleed resistance	none
Mesh (on darks)	86-125 t/in (34-48 t/cm)
Mesh (under basing)	110-156 t/in (43-61 t/cm)
Mesh (fine line)	156 to 305 t/in
Tension (newtons)	25-35 recommended
Stencil emulsion	Direct, indirect & capillary
Off-contact	1/16 of inch
Squeegee type	70 durometer. or triple (70/90/70) (60/90/60)
Squeegee angle	Avoid excess pressure / should not be vertical
Squeegee speed	Maximum
Gel temp	120 C/130C
Cure temp	171 C- entire film
Extender	10-20% (by weight)
Extender Base	ACRY EXTEND BASE
Reducer	1-3% (by weight)
Flow modifier	1 to 2 %
Use Emulsion screen cleaners and screen equipment which are Phthalate-Free	
Storage	18-32 C. Avoid direct sun or extended heat exposure
	Use within 1 year
Wash-up	Wash with our solvent t.o.m.
Health & Safety	Available upon request

### SPECIAL RECOMMENDATIONS

Squeegee and flood-bar must completely clear the screen print image/design during the printing application
The squeegee and flood-bar must evenly deposit the ink across the entire print image area.
The angle of squeegee during print application should not be vertical
Print platen should be flat and level before commencing print application
The print platen must be free of fabric fiber otherwise the cured ink surface will not be flat in appearance and be rough in texture
The ink must be fully cured first time. Repeated ink drying will not assist the cure of the ink as the first drying will not assist the cure of the inks as the first drying process establishes the ink film and tensile strength
Colors will reproduce best on white or light ground fabrics.
Variation of screen mesh and ink deposit can result in loss of color depth and opacity.
Increasing ink film deposit can reduce fabric fibrillation, use a flash cured first cured first down white ink. Decrease squeeze pressure on second print stroke and be sure that the print platen is

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flat and without fibre debris

Stir inks well before use in screens

## COLOR RANGE:

15 intermixable colors and a Cotton White.

ACRYPLAST MIXING WHITE

ACRYPLAST YELLOW

ACRYPLAST MAGENTA

ACRYPLAST VIOLET

ACRYPLAST MARINE

ACRYPLAST BLUE

ACRYPLAST GREEN

ACRYPLAST BLACK

ACRYPLAST RED

ACRYPLAST ORANGE

ACRYPLAST FLUO RED

ACRYPLAST FLUO BLUE

ACRYPLAST FLUO YELLOW

ACRYPLAST FLUO PINK

ACRYPLAST FLUO PURPLE

ACRYPLAST TRANSPARENT CLEAR

ACRYPLAST COTTON WHITE

ACRYPLAST EXTENDER BASE

NON-CONTAMINATION OF INK

- DO NOT add or mix, PVC containing ink

Use only ACRYPLAST inks and additives

- Do not dilute or modify the inks with additives other than those recommended by company

- When mixing inks, all buckets, palette knives and mixing apparatus must be cleaned properly and free of PVC inks

- All squeegees, flood bars and screens must be cleaned properly and be free of PVC inks. Use recommended screen wash.

- It is important that you follow the manufacturers product instructions concerning the use of non-ink products with a phthalate and PVC free ink.

®  
ALSO AVAILABLE- UNDER PREPARATION

1. PUFF BASE FOR DIRECT PRINT
2. PUFF ADDITIVE FOR DIRECT PRINT
3. HIGH DENSITY BASE FOR DIRECT PRINT
4. HIGH DENSITY ADDITIVE FOR DIRECT PRINT
5. TRANSPAREENT GEL FOR GLITTER,CLEAR AND RELATED APPLICATIONS.
6. PIGMENT CONCENTRATES COLOR SYSTEM FOR IN-HOUSE MIXING AND MATCHING.