

Technical Information

Screen Inks | Graphics Printing



CRYLO GL

Quick drying, Glossy finish, Opaque

Substrates

Flexible and rigid PVC, Polystyrene, HIPS, ABS, Polycarbonate, Acrylic, Cellulose acetate

Application

CRYLO GL inks are based on a special resin system which provides excellent fade and weather resistance for outdoor application on rigid and flexible plastics. Added to this, these inks offer many other features to make the range suitable for a variety of applications as mentioned below

- Outdoor display advertising panels & internally illuminated signs due to excellent fade & weather resistance
- Molded articles & gift novelties
- Window graphics, instrument panels
- Labels and self - adhesive stickers
- Baby feeding bottles of polycarbonate
- Shoe uppers

Characteristics

- Excellent light fastness property due to specialized fade resistance pigments used (Blue wool scale 7 - 8)
- Non - toxic, meets EN - 71 safety standards for heavy metals
- Excellent flexibility, adhesion, weather resistance, alcohol and petrol resistance
- Quick drying – suitable for rapid production
- Excellent screen stability – ideal for 4 - colour process inks job
- Thixotropic in nature – does not drip through mesh when the machine is standing still

Drying

The print becomes surface dry in 5 to 8 min. and hard dry in 30 to 45 min. at a temperature of 25° C making them suitable for stacking. It takes about 1 - 2 min. to become tack-free dry when passed through a tunnel oven at 50 to 70° C

Range

CRYLO GL Matching System - Almost any shade can be matched by mixing the selective inks of the matching system which comprises of the basic shades as follows

Match Light Yellow	GL - 101	Match Violet	GL - 141
Match Mid Yellow	GL - 102	Match Ultra Blue	GL - 151
Match Deep Orange	GL - 111	Match Deep Blue	GL - 152
Match Scarlet Red	GL - 121	Match Green	GL - 161
Match Carmine Red	GL - 122	Match Tinting White	GL - 171
Match Magenta	GL - 131	Match Tinting Black	GL - 181
CRYLO GL TRANS INK	CR - 191VI		

Spot Colours

Bright Yellow	GL - 201	Sky Blue	GL - 251
Light Yellow	GL - 301	Royal Blue	GL - 252
Mid Yellow	GL - 302	Reflex Blue	GL - 253
Light Orange	GL - 211	Yellow Green	GL - 261
Deep Orange	GL - 311	Grass Green	GL - 262
Vermilion	GL - 221	Forest Green	GL - 263
Scarlet	GL - 322	Opaque White	GL - 271
Brilliant Red	GL - 223	Brilliant White	GL - 272
Purple	GL - 241	Dense Black	GL - 281

Process Colours

Cyan	GL - 401	Density 1.5
Magenta	GL - 402	Density 1.4
Yellow	GL - 403	Density 1.3
Black	GL - 404	Density 1.8

Special Process Colours

PROCESS BLACK	GL - 1065
PROCESS R YELLOW	GL - 1067
PROCESS R MAGENTA	GL - 1068
PROCESS R CYAN	GL - 1069

The density values are arrived at by using 140.34T mesh at a dilution of 10 % with Reducer. By adding Trans Ink GL - 191TI or CR - 191TI the ink density can be reduced. The ink density can be increased by adding ink concentrates for the process colours in required proportion or by using a coarser mesh

A coat with **GL - 193VI** on the whole printed area will extend the period of out-door fade resistance

Metallic Inks

Rich Gold	SH - 801
Rich Pale Gold	SH - 802
Silver	SH - 804
Sparkling Rich Gold	SH - 841
Sparkling Rich Pale Gold	SH - 842
Sparkling Silver	SH - 844
CRYLO GL Trans Ink	CR - 191VI

Mixing ratio of Metallic Pigment with Crylo GL Trans Ink 15:85 or 20:80

The metallic ink made by mixing the metallic pigment with Trans ink Base should be processed within 6 - 8 hours

Coverage

65 - 75 sq. meters. (with 120.34 mesh/cm. and 10 - 15 % dilution with Rheology Improver

Auxiliaries

Ink Rheology Improver: SRIGL - 901 can be added 10 to 20 % to the ink to get a desired consistency.

SRIGL - 902 can be added 10 to 20 % to the ink to get a desired consistency when required to make the ink slow drying. Even a suitable combination of above can be used to get a desired retarding effect.

Quick Dry rheology improver SRIGL - 903 can be used instead of SRIGL - 901 For very high speed printing jobs

GL - 193VI CRYLO GL TRANS INK

For improvement of fade resistance of the print

Accessories

Fabrics - Polyester or Nylon mesh of 100-140T are suitable. Even 77-90T can be used depending upon the type of job & the substrate to be printed to achieve desired opacity or print effect

Stencils - All solvent resistant stencils can be used

Squeegee - Generally, 65 - 75 durometer sharp edge squeezes are suitable

Please note - Material safety data sheet is available on request

Shelf Life

At least 12 months when stored in dry place & protected from the heat and sunlight

Note - This information is compiled based upon field experience and extensive laboratory testing. However, customers are requested to satisfy themselves that the products meet their requirements in all respects before starting a print run. Since the printing conditions are not under our control, no guarantee can be given for their performance