



# Silk Screen Inks

## Products Information

[www.sabinecolors.com](http://www.sabinecolors.com)



### SW-G, Gloss PVC Ink

#### PROPERTIES

The SW- G PVC series of screen ink carries a wide range of opaque colors and its gloss finishing is very suitable for high quality jobs. This ink series exhibits excellent adhesion on a wide variety of substrates.

The screen stability of the ink is good and can be used on manual up to fully automatic screen printing machine, as well as four colors process printing.

#### Application

- PVC: Rigid, Flexible and Self-Adhesive
- Acrylic, Crystal Polystyrene and ABS
- Polycarbonate
- Metalized Foil

#### Stencils

- SW-G Series can be printed through any type of mesh, but for the best printing results it is recommended that monofilament T90-48 to T120-34 or stainless steel mesh (230 -325 mesh count/inch) be used, depending on the detail required.
- SW-G series can be printed through a variety of solvent resistant stencils, such as Diazol PU(220), Polyzol (DE422) & Diazol (S42).

Due to the wide range of substrates available, it is advisable that the ink be tested fully prior to printing.

#### Printing

- SW-G - series can be printed through any type of mesh, but for the best printing results it is recommended that P100-40 to P120-34 monofilament mesh is used.
- 1Kg of ink will print an area of approximately 55-60 square meters with 120 – 34 threads / cm. Mesh count monofilament polyester or nylon and 10% dilution.
- A snap distance of about 2-3 mm is required for a good release of the print from the screen.
- Apply Spray Way SW82 all over the print table to firmly hold the substrate in place during printing.
- SW-G - series can be printed with a variety of solvent-resistant direct Emulsion photo-stencils.
- Due to the dilution property of G inks, it is recommended that a few proof printings be done after short pauses during printing to ensure the mesh open area is not clogged. For longer pauses (more than 10 minutes) it is advised that Instant Screen Opener (SW957) be sprayed on the stencil to ensure that no ink has blocked the open area of the mesh. Due to the wide range of coatings available, it is advisable that the ink be tested fully prior to printing.

#### Co-Use with Other Inks

SW-G Series can be used to over-print SW-M - series (Matt-PVC ink), but M - series should not be printed onto G series.

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## Double Sided Stickers

Please follow the distributor's guidelines for printing onto double-sided stickers. Opaque grey should be used for printing between the two colors - one on the front and one on the back.

All the colors in the SW- G range have good light and weather resistance.

G 735 Opaque White has the same specifications as SW- G 1 White, but has high opacity and is slightly more matt. However, it is not suitable for applications that require good flexibility, for example, flag, cloth banner or automobile-covering canvas printing.

## Thinning and Cleaning

- Stir well before use.
- SW-G series inks should be thinned 5-10% with Thinner S-5099 before printing.
- Slow Retarder S-2961 can be used to make the ink dry more slowly when printing in a warm room or when using screens with high mesh counts.
- Cleaner C170 should be used to clean G-PVC from the screen. For heavy ink stains, New Screensolve SSO-038 can be used.
  - S-5099 Thinner
  - SSG15 Medium Retarder
  - S-2961 Slow Retarder
  - SWT139S Cleaner

## Drying

\* SW-G series ink can also tack free at the normal room temperature within about approximately 10-15 minutes, depending on the type of substrate and the ambient temperature.

\* Forced dry at 40-60oC in approximately 2-3 minutes.

## Mesh

Fine line printing: 140-200 threads / cm.

Normal printing: 90-120 threads / cm.

Optimum opacity: 36-90 threads / cm.

Process colors: 90-150 threads / cm.

\* Monofilament polyester or nylon is recommended.

## TECHNICAL SERVICE AND INFORMATION

For further information or other relevant data, please do not hesitate to contact us. Sabinecolors has a team of well-trained personnel who are ready to give help and advise regarding product information and application.