



Silk Screen Inks

Products Information

www.sabinecolors.com



Acrylics Gloss Inks (AC)

PROPERTIES

AC is a solvent-based screen printing ink specially designed for printing onto Acrylics, Polystyrene/PS plastics, Polycarbonates, ABS and rigid PVC plastics. This ink system has excellent adhesion and impact resistance and Gives a high gloss finish. AC does not react with plastic substrates and can therefore be wiped clean without leaving a color stain.

INSTRUCTIONS FOR USE

Thinning and Cleaning

- Stir well before use.
- AC inks should be thinned 5-10% with Thinner 13019 or 139A before printing.
- To correct errors, a clean cloth soaked in Thinner 13019 should be used to wipe clean the printed area. The substrate can then be reprinted.
- Retarder 138A can be used to make the ink dry more slowly when printing in a warm room or when using high mesh counts.
- Cleaner SWT193S should be used to clean AC from the screen. For heavy ink stains, Screen solve can be used. Please refer to the relevant P.I. Sheets for more information.

Printing

- AC can be printed through any type of mesh, but for the best printing results it is recommended that P90-48 to P140-34 mesh is used.
- AC can be printed through a variety of solvent resistant stencils, such as Diazol PU220, Diazol S42, Polyzol direct DE422
- 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. Due to the wide range of coatings available, it is advisable that the ink be tested fully prior to printing.

Drying

AC can be jet-dried at 70°C (158°F) within 15-30 seconds. The gloss finish of the ink will be severely affected if dried at higher temperatures (above 80°C). Inks should be left at room temperature for 24 hours after printing to obtain optimum product resistance.

Plastics

AC is recommended for printing a variety of plastic substrates, such as Acrylics, Polystyrene/PS plastics Polycarbonates, ABS and rigid PVC plastics. This ink is NOT recommended for printing on soft PVC.

Note: Always fully test the ink before beginning a production run, as there is often considerable variation in plastics from different manufacturers and even between different batches. The surfaces of some types of plastics are coated with lubricants and this may impair adhesion. For optimum adhesion, the printer should use a clean towel soaked with Thinner SW-C170 to wipe clean the surface of the substrate before printing.

5099 Thinner 138A Retarder SWT139S Cleaner

STORAGE

AC inks should be stored in a sealed container between 5-25°C.

SAFETY AND HANDLING

AC inks should be used with care. Wear suitable PPE, for example, appropriate gloves and safety glasses. Inks marked with a (T) contain heavy metals and should not be used for printing items that might be chewed by children. They are also harmful to the unborn child. For children's toy production, special non-toxic colors are available which comply with the following standards: EN71 Standard of the European Economic Community, the United Kingdom Toys (Safety) Regulation 1974, Standard of Germany and French Toys Standard whilst working with the ink, the consumption of food and drink, and smoking are not recommended.

ENVIRONMENTAL INFORMATION

AC Inks:

- Are formulated free from ozone depleting chemicals as described in the Montreal Convention.

TECHNICAL SERVICE AND INFORMATION

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

Test before printing.

