

AQUA ART SCREEN INK

TECHNICAL DATA SHEET

Aqua Art Series Screen Ink is a water-based ink that produces a gloss or matt ink finish. It Offers good screen stability. Excellent light fast colours.

Is solvent free and low odour the number one screenprinting ink system.

Available in 12 Standard Colours / Binder / Metallics / Fluorescents / Lustres / 4 Colour Range.

SUBSTRATES Paper , Display Board , Corrugated Board , Fine Art Papers. (Weights more than 120gsm)

USER INFORMATION

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.

MESH 77-100 Polyester mesh for most applications [100-40 std]

STENCIL Autotype 6000 or Saati PHU Emulsion

SQUEEGEE Dura blade SG950 70/75 Green Squeegee

COVERAGE 30-40 square meters per kg depending on mesh / paper.

PRINTING Aqua Art ink may be thinned to achieve proper ink flow (see Additives section). Thoroughly mix the ink prior to printing.
Maintain ink temperature at 65°-90°F (18°-32°C) for optimum print performance. Lower temperatures increase the ink viscosity, impairing flow. Elevated temperatures lower the ink viscosity, reducing print definition, film thickness and opacity.

DRYING Aqua Art ink dries by evaporation in 20-30 minutes depending on temperature and humidity. Jet dry at 66 °77 C° for approximately 30-45 seconds using maximum air flow through the oven. Adequate cooling may be necessary to avoid blocking problems when stacked.

CLEAR / VARNISHES Overprint Clear: Use AQA-60 Overprint Clear to reduce the density of colors or as an overprint

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ADDITIVES

All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink.

Thinner: Use WATER or std thinner AQA-RT-400 to reduce the viscosity of these inks. Add up to 5% by weight.

Retarder: AQA-008 Retarder to slow drying times. Add up to 3-5 % by weight.

Matt Additive: Use AQA-SP4271 Matt Additive to reduce gloss levels. Add up to 15% by weight to get flat matt. Use different amounts between 1-15% to Produce effects from low gloss_satin to flat matt.

CLEAN UP SMP

Screen Wash (Prior to Reclaim): Use AQA Screen Wash
Screen Making Products (See Technical Data Sheet)

STORAGE

Store tightly covered at a temperature between 65°-90°F (18°-32°C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

INK HANDLING

Wear gloves to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If ink does come in contact with skin, wipe ink off with a clean cloth (do not use solvent). Wash the affected area with soap and water. Consult the Aqua Art Material Safety Data Sheet for further instructions.

ADHESION TESTING

1. Touch of ink surface – the ink surface will be dry.
2. Thumb twist – the ink surface will not mar or smudge.
3. Scratch surface – the ink surface will resist scratching. Coated paper scratches easily, so use magnification to determine if scratches are ink only or ink and top layer of substrate.

PRODUCT OFFERING

STANDARD PRINTING COLORS

Standard Printing Colors have excellent colour brightness /opacity.

PACKAGING / AVAILABILITY

All items listed below are inventoried items and available in 1kg / 5kg containers.

Code Number	Screen Ink Colour
AQA 60 OR 27	Binder
AQA 61	Primrose Yellow
AQA 12	Golden Yellow/ Medium yellow
AQA 60	Orange
AQA 62	Scarlet Red
AQA 19	Red
AQA63	Rubine red
AQA 64	Rhodamine
AQA 318	Violet
AQA65	Purple
AQA 68	Blue/ process blue
AQA 67	Reflex blue
AQA 69	Green
AQA 24	Black
AQA 58	White
AQA 75	Opaque White
Code	4 Colour Process
AQA-0032	Process Cyan
AQA-0031	Process Magenta
AQA-0030	Process Yellow
AQA-0029	Process Black
AQA-0064	Process Extender

Code Number	Additives/Reducers	Item Number	Cleaners
SP4271	Matt Additive 15% = flat matt	AQA	Screen Wash
AQA-008	Retarder 3-5% Addition		
AQA-24	Flow Thinner 1-5%		

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