
Screen

590-Series Screen Inks

590-series inks are acrylic-based, evaporation drying screen inks ideal for printing on PVC, acrylics and polycarbonate. Also recommended for polyester, ABS and SAN. High gloss and opacity, chemical resistant (alcohols and petrol), easy working, relatively low odour and good coverage. Outdoor resistant shades available.

ADHESION: 590-inks can be used on PVC, acrylic materials, polycarbonate, polyester, ABS and SAN.

COLOUR RANGE: 590-inks colour range consists of standard opaque shades plus black and white. 4-colour set gives you high dot definition, colour space and outdoor resistance. C-MIX 2000 shades also available for easy shade mixing.

See table overleaf for colour range.

PANTONE AND RAL: Pantone and RAL formulations are available for request.

CURE SPEED: 590-inks are drying quickly in an oven, air drying is taking 5 – 10 minutes. If retarder is used, drying times are longer. Cure speed is dependant upon a number of factors including film thickness, printed material and conditions in printing place.

STOCK: 590-inks have been designed to print on a variety of substrates. Many arbitrary factors such as surface treatment or variations in grade may affect print properties or adhesion of 590-inks. It is always advisable to check the corona treatment of these materials before commencing a print run.

PRINTING MATERIALS: High quality stencil materials such as ULANO's RLX or Proclaim will enhance the print quality normally expected from using 590-inks.

Synthetic mesh is recommended, mesh count between 90-120 threads/cm will ensure correct ink deposits and shade. Lower or higher mesh counts can also be used, the outdoor resistance of the 590-inks are highly affected by the mesh count, check your local Sun Chemical office for details.

THINNING: 590-inks are supplied ready for use and thinning is not recommended. If it is considered essential, use 503-00546.

WASHING UP: The screen should be washed out as soon as possible after printing, you can use 503-00817 for washing agent.

COVERAGE: Up to 45m²/kilo can be achieved with 590-inks with 100T mesh but mileage will vary according to grade of mesh, stencil thickness, machine type etc.

SHELF LIFE: 590-inks should be stored in sealed metallic containers at temperatures between 5-30 degrees C (40-90 F). They have a minimum shelf life of 12 months but can remain usable for long periods depending on storage conditions.

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale.

We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. SunChemical Screen products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed in writing.

Screen

590-Series Screen Inks

ADDITIVES:	Washing agent	503-00801			
	Thinner	503-00546			
	Retarder	503-00547			
	Slow retarder	503-99033			
4-COLOUR SERIES:	Yellow	590-25000			
	Yellow (extra lightfast)	590-25002			
	Magenta	590-35000			
	Magenta (extra lightfast)	590-35001			
	Cyan	590-45000			
	Black	590-75000			
SPOT COLOURS:	Yellow	590-22100	Yellow	590-22200	
	Red	590-33100	Magenta	590-33800	
	Orange	590-33900	Blue	590-44100	
	Green	590-55100	Black	590-77100	
	Violet	590-88100	White	590-99300	
	White,opaque	590-99500	Silver	590-99103	
	Gold	590-99102	Lacquer	590-00243	
	Matt lacquer	590-00319	Base	590-00211	
	C-MIX 2000:	590-Y30	590-Y50		
		590-R20	590-R50		
590-O50		590-33100 (R54LL)			
590-33800 (M50)		590-44100 (B50)			
590-55100 (G50)		590-77100 (N50)			
590-88100 (V50)		590-99300 (W50)			
PACKING:	1 kg, 5 kg and 10 kg metallic pail				

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale.

We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. SunChemical Screen products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed in writing.