

SCREEN INKS





60 series is a PVC and phthalate free plastisol. This range of products is ideal for customers looking for high quality results and looking for environmental sustainability.

As any other plastisol, it has excellent printability, even wet on wet, and excellent performance on the screen.

Being free of PVC and phthalate it complies with the most demanding ecological standards such as GOTS, OEKO-TEX, ZDHC level 1... This ensures security in your supply chain.

These inks can be printed on a very wide range of fabrics and provide, high quality prints, fastness, color strength, coverage, soft hand and tack-free prints.

		Appliccation	threads/cm	curing	characteristics
	Standard Colors	Normal spot colours	≤ 120th/cm up to 5% 60.DIL	1´@ 170°C	soft touch matt finish
	Fluorescent Colors	High brilliance colors	≤ 90th/cm up to 5% 60.DIL	1´@ 170°C	bright colours matt finish
	Process Colors	Halftone printing	120 to 150th/cm up to 5% 60.DIL	1´@ 170°C	sharp definition soft touch
	Extra Opaque White 60.110	High coverage on dark garments	43 to 90th/cm up to 5% 60.DIL up to 5% 60.FST	1 ´ @ 170°C	matt finish excellent whiteness
1	Foam Base 60.180	Puff effects	43 to 61th/cm	2´@ 170°C	soft finish high height
	Clear Gel 60.081	For glitter or glossy overprints	14 to 62th/cm	3 ´ @ 160°C	transparent non yelloning
	Foil Ink 60.082	Hot foil transferring	43 to 90th/cm	1´@ 170°C	soft touch
	Low Bleed White 60.120	High coverage on dark synthetic fabrics	43 to 90th/cm up to 5% 60.DIL	1 ´ @ 170°C	matt finish excellent whiteness



62 series is a classical phthalate free plastisol which is characterized by its excellent coverage and printability. It virtually works on almost any fabric that can be exposed to 160°C for short period of time. Its stability on the screen is excellent, thus maximizing the productivity due to the possibility of producing long runs without having downtime for cleaning the screen frames. The range of products include regular colors as well as many specialties, such as high density, foam, clear gels, polygrey...

In general these inks provide high opacity, bright colors range, good elasticity and a nice soft touch.

On the chart, we can see the main characteristics. -

	Appliccation	threads/cm	curing	characteristics	
Standard Colors	Normal spot colours	≤ 120th/ <mark>cm</mark> up to 5% 62.DIL	1 [*] @ 170°C	soft touch matt finish	
Fluorescent Colors	High brilliance colors	≤ 90th/cm up to 5% <mark>62.DIL</mark>	1 @ 160°C	bright colours matt finish	
Process Colors	Halftone printing	120 to 15 <mark>0th/cm</mark> up to 5% 62.DIL	1 [*] @ 170°C	s <mark>harp d</mark> efinition glossy colors	
Extra Opaque White 62.110	High cove <mark>rage on dark</mark> garments (automatic machines)	43 to 90th/cm up to 5% 62.DIL up to 5% 62.FST	1´@ 170°C	matt finish excellent coverage	
Extra Opaque White 62.108	High cov <mark>erage</mark> on dark garments (manual machines)	43 to 90th/cm up to 5% 62.DIL	1 ° @ 170°C	<mark>soft h</mark> andling exc <mark>ellen</mark> t coverage	
Hi-density Clear 62.020	3D printing	34 to 43t <mark>h/cm</mark> up to 5% 62.DIL	2-3 ´ @ 170°C	s <mark>harp d</mark> efinition hard	
Foam 62.080	Puff effect	43 to 62th/cm	2-3 ´ @ 180°C	cohesion high volume	
Low bleed White 62.105	High coverange on dark synthetic fabrics	43 to 90th/cm up to 5% 62.DIL	1 [*] @ 170°C	matt finish exc <mark>ellent</mark> whiteness	
Clear Gel 62.081	For glitter or glossy overprints	14 to 62 th/cm	3 [*] @ 160°C	transparent non yelloning	
Foil Gel 62.082	For hot foil transferring	43 to 90th/cm	1 [*] @ 170°C	soft touch	
Polygrey 62.189	High antibleeding effect on polyester. Overprintable with white			ex <mark>celle</mark> nt barrier	
Metallic colors	Excellent metallic finish	43 to 120th/cm up to 5% 62.DIL	1 [*] @ 170°C	<mark>high b</mark> rillance wa <mark>shing</mark> resistance	
Glow in the dark	Luminescent ink	34 to 43th/cm up to 5% 62.DIL	1 ´ @ 170°C	high intensity long lasting	
Pigment concentrates	To compose colors	43 to 150th/cm	1 ´ @ 170°C		

WATER BASED INKS

Water based inks offer excellent versatility and easy of use. These inks are ecofriendly and neither contain PVC nor phthalates. We can create a big number of effects and obtain beautiful colors with excellent touch feeling.

One of its advantages is that it can be used for printing on temperature sensitive substrates. In general, it is recommended to cure the inks for 1 to 3 minutes at 130°C but in most cases the polymerization can happen at room temperature. In such cases, washing resistance is attained approximately after one week.

Many customers prefer to use a base and a white and create the shades they need by adding the pigments in liquid form. For thissystem **AFFORD**® offers the following bases.

66.000
66.060
64.064
66.066
64.110
66.110
66.150
66.155
66.160

Appliccation	threads/cm	curing
Transparent base to obtain clear shades (cotton and mixtures)	43 to 120th/cm	3 ´ @ 130°C
High transparency base	43 to 120th/cm	3 ´ @ 130°C
No hand feel mixing base for cotton	43 to 120th/cm	3-5 ´ @ 120°C
Mixing base for cotton and mixtures with fibres	43 to 100th/cm	3 ´ @ 130°C
Excellent hand feel white for cotton	34 to 62th/cm	3-5 ´ @ 120°C
Very opaque white for cotton and mixtures with fibre	34 to 90th/cm	3 ´ @ 130°C
Thin film forming white for excellent hand feel	34 to 77th/cm	3 ´ @ 130°C
High opacity white, excellent coverage	34 to 100th/cm	3 ´ @ 130°C
Highly elastic white	34 to 77th/cm	3 ´ @ 130°C

These bases can be mixed with 65 series, which is composed of water based dispersions of regular pigments and fluorescent pigments.

Regular Pigments

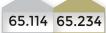
65.212 65.213 65.214 65.309 65.400 65.420 65.439 65.440 65.500

65.600 65.670 65.700 65.800 65.824 65.829 65.900 65.110

Fluorescent Pigments

65.207 65.307 65.407 65.507 65.607 65.807







All our pigments are PVC, phthalate, formaldehyde and heavy metal free.

As well AFFORD® provides a wide range of specialty products. These products will provide unique special effects that will make you print outstand. Most popular effects are summarized in this chart.

	Appliccation	threads/cm	curing
66.081	Non sticky transaprent gel used as antifoil	43 to 100th/cm	3 ´ @ 130°C
66.088	Foil and flock adhesive, with excellent transfer results	43 to 100th/cm	3 ´@ 130°C
64.114	High brillance metallic silver	43 to 77th/cm	3 ´ @ 130°C
66.134	Highly transparent base for the creation of metallic shades.	43 to 100th/cm	3 ´@ 130°C
64.234	High gloss metallic gold	43 to 77th/cm	3 ´@ 130°C
66.151	Highly transparent and elastic base for glitters	14 to 61th/cm	3 ´ @ 130°C
66.170	Base for hot stamping foil application	34 to 100th/cm	3 ´ @ 130°C
66.180	Base for the creation of puff effects	34 to 100th/cm	3 ´ @ 130°C
66.189	Polygrey to avoid the migration of the fibre colour when exposed to heat	34 to 61th/cm	3 ^ @ 130°C



Some printers prefer to prepare the pastes for their own use.

For these printers AFFORD® can provide a full range of products that includes resins, thickeners, fixing agents, pigments, etc.

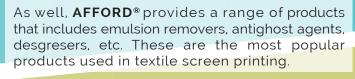
Due to the variety of products and different requirements in relation to standards to fulfil and pricing, we encourage you to contact your nearest representative for the best recommendation.



The following emulsions have been selected to be used in textile applications

Emulsions	Tipo	Resistance solvent	Water resistance	Solids	Colour
11.110	Photopolymer	Plastisol	Yes	38%	Violet
11.114	Diazo	Plastisol	Yes, high	41%	Blue
11.170	Photopolymer	Yes	Yes	50%	Red
11.701	Diazo	Yes	Short	38%	Blue





The second secon					
Degreaser	Degreaser				
12.320	Degreaser to clean the fabric and improve the grip of the emulsion				
Emulsions removes					
12.370	Remove emulsion powder. It has to be diluted with water				
12.380	Remove liquid emulsion. It can be reduced with up				

Blocking solutions	Tipo	Resistance solvent	Water resistance	Colour
12.350	Resistant to solvent	Yes	No	Blue
12.351	Water resistant	No	Yes	Violet

Cleaners and antighost image				
	12.385	Degreaser to clean the fabric and improve the grip of the emulsion		
	12.388	Remove Chost image. It is an energetic product with the advantage that it can be left on the screen		
		for an hour without problems.		
	12.390	Combination of the previous two		

The information supplied is a result of our updated knowledge; it is supplied with good intention but under no circumstances it can be taken as a guarantee.

Moreover, taking into account the great diversity of printable materials, the diversity of machinery and procedures to carry out the jobs, it is the user's responsibility to check the suitability of our products to obtain the objectives he desires, with the resources and procedures he has.

The user must also be make sure he complies with the current legislation, situation of patents and third party rights when applicable.

