



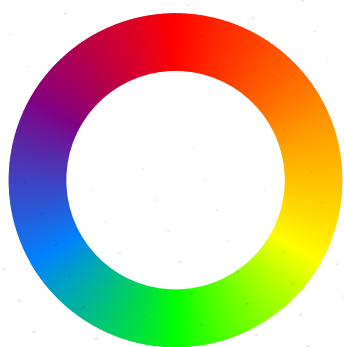
PLAST RANGE



ACHITEX MINERVA

# MINERMIX

MinerMix is the Achitex Minerva Group's Color Matching System which helps to obtain specific colours with its inks and bases. In the MinerMix system you can obtain formulas using the following plastisol inks:



- ✓ PLAST WHITE MX
- ✓ PLAST LIGHT YELLOW I
- ✓ PLAST YELLOW
- ✓ PLAST ORANGE
- ✓ PLAST BRIGHT RED
- ✓ PLAST FUXIA
- ✓ PLAST RUBY RED
- ✓ PLAST VIOLET
- ✓ PLAST MAGENTA PK
- ✓ PLAST BLUE PK
- ✓ PLAST LIGHT BLUE
- ✓ PLAST BLUE
- ✓ PLAST NAVY BLUE
- ✓ PLAST ROYAL BLUE
- ✓ PLAST GREEN EXTRA I
- ✓ PLAST BLACK
- ✓ PLAST ORANGE FLUO NFO
- ✓ PLAST BLUE FLUO NFO
- ✓ PLAST GREEN FLUO NFO
- ✓ PLAST RED FLUO NFO
- ✓ PLAST PINK FLUO NFO
- ✓ PLAST YELLOW FLUO NFO





# PLAST RANGE

Plast are inks made of polyvinyl chloride (PVC) in phthalates-free plasticizers. They are ready-to-use, perfectly homogeneous inks.

A fundamental characteristic of the Plast inks is their thixotropy, which allows them to vary the viscosity under the action of mechanical forces and to return to the previous state when the mechanical action ceases. This property allows the ink to flow through the mesh under the pressure of the squeegee and to return to the previous viscosity without spreading too much on the printed substrate and without dripping from the screen, allowing to obtain precision in the details, high coverage and printing uniformity.



## ADVANTAGES

- ✓ Phthalates, formaldehyde and heavy metals-free
- ✓ Versatility: can be printed on any substrates that resist at curing temperature
- ✓ Stability during transport and storage
- ✓ Stability on the screen: they don't dry at room temperature
- ✓ Very good printability
- ✓ High production efficiency
- ✓ Fast drying capacity under flash
- ✓ Bright colours
- ✓ Semi-matt finishing
- ✓ No tack and soft touch
- ✓ Good elasticity and flexibility
- ✓ Good general fastness
- ✓ Low curing temperature



## PLAST COLOUR CHART

### TRADITIONAL COLOURS



LIGHT YELLOW I



YELLOW



ORANGE



BRIGHT RED



RUBY RED



FUXIA



LIGHT BLUE



BLUE



ROYAL BLUE



NAVY BLUE



VIOLET



GREEN EXTRA I



BLACK

### FLUORESCENT COLOURS



YELLOW FLUO NFO



ORANGE FLUO NFO



RED FLUO NFO



PINK FLUO NFO



GREEN FLUO NFO



BLUE FLUO NFO

### CONCENTRATED COLOURS for process colour printing



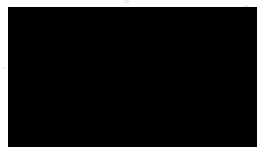
YELLOW PK



RED PK



BLUE PK



BLACK PK



MAGENTA PK

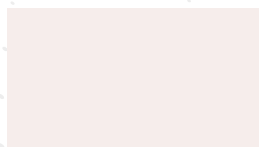
### METALLIC EFFECTS



RICH GOLD



SILVER



PEARL



## PLAST RANGE

### WHITES

	Curing Temp. °C	Flash curing	Printability	Opacity	Elasticity	Bleeding	Final touch	Max Threads cm
PLAST WHITE AG	150°C	4	4	5	4	3	5	90
PLAST WHITE EL	150°C	5	4	5	5	2	4	70
PLAST ECOWHITE	150°C	5	5	4	5	3	4	90
PLAST WHITE LF	130°C	5	4	5	4	3	5	90
PLAST WHITE LT	130°C	5	5	4	4	2	5	120
PLAST FAST FLASH WHITE	130°C	5	5	5	5	4	5	120
PLAST LOW BLEED WHITE	130°C	5	5	5	5	5	5	120
PLAST WHITE MX	130°C	5	5	3	5	2	4	120

### ANTI SUBLIMATION

PLAST BLOCK GREY	Grey plastisol ink to be used as a background print on all synthetic or natural substrates in which there are problems of migration of the substrate dye. The use of this product guarantees a high barrier effect that blocks the sublimation and doesn't allow the dyeing of the fabric to alter the overprinted colours.
PLAST BARRIER BLACK	Black plastisol ink to be used as a background print on all synthetic or natural substrates in which there are problems of migration of the substrate dye. The use of this product guarantees a high barrier effect that blocks the sublimation and doesn't allow the dyeing of the fabric to alter the overprinted colours.
PLAST LOW BLEED WHITE	Low-fusion, low-bleed white plastisol to be used as a background print on all synthetic or natural substrates in which there are problems of migration of the substrate dye. The product reduce the dye sublimation. It's printable both as a bottom white and as a final white.

### TRASPARENT BASES

PLAST BASE HT	Screen printing plastisol ink formulated to obtain glossy and transparent thickened prints with "square shoulder".
PLAST BASE EL	Screen printing plastisol ink formulated to obtain glossy and transparent thickened prints with "round shoulder". The obtained effect works like a real lens: overprinting the base in some areas of the design allows to obtain a magnifying effect.
PLAST BASE G	Screen printing plastisol ink formulated to obtain glossy and very transparent thickened prints with "round shoulder". Thanks to its high transparency it can also be used to print glitters, sequins and glass microspheres.
PLAST DROP	Screen printing plastisol ink formulated to obtain glossy and very transparent, usable for glossy overprints that do not yellow over time. Thanks to its high transparency it can also be used to print glitters, sequins and glass microspheres. Suitable also for flock transfer process.
PLAST BASE TR	Screen printing plastisol transfer base usable up to 34 threads/cm. The transfer can be carried out with a hot press at a temperature of 160°C for approximately 15 seconds.

### ADDITIVES

LUBRILAC PLAST	Fluidifying agent for plastisol inks that allows to reduce the viscosity of PLAST range products, keeping unchanged the curing temperature and final hand. The product improves wet on wet printability.	max 5%
PLAST CATALYST	Catalyst formulated to increase the physical and mechanical resistance of PLAST inks, ideal for reducing polymerization times or temperatures, or for all items that will subsequently undergo extremely aggressive washing processes. The product can also be used as an adhesion promoter during the flock transfer process.	max 10%
PLAST CURABLE REDUCER	Very transparent liquid resin, designed to be added to all PLAST products, both to reduce their viscosity and to reduce polymerization times and temperatures.	any
PLASTFOAM ADDITIVE LF	Concentrated expanding additive, which can be used mixed in all products of the PLAST series.	20 - 40
THINNER	Solvent designed to reduce the viscosity of the products of the PLAST range and of the MINERSIL range (silicone based).	max 20%

### EXTENDER BASES

		%
NEUTRAL PLAST	Plastisol screen printing ink to be used as extender base for all products of the PLAST series. The product allows to reduce the intensity and covering power of PLAST colours without significantly varying their viscosity, the brightness of the tones, polymerization times and temperatures.	20 - 30
PLAST COVERING	Plastisol ink to be used as a covering extender base, to be used with screens having between 43 and 90 threads/cm. It is recommended to use this product to cut all the colours of the PLAST series, to reduce their viscosity without altering the opacity.	20 - 30
PLAST MATT	Plastisol ink formulated to be used as an additive for all products of the PLAST series to obtain a matte finish.	20 - 40
PLASTFOAM	Plastisol ink designed to obtain expanded 3D effects. The prints obtained are characterized by high elasticity and the absence of tacking ("sticky" hand).	max 30%



**ACHITEX MINERVA GROUP**  
info@achitexminerva.com  
www.achitexminerva.com

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