



PLAST RANGE
MINERPRINT® PURE RANGE



ACHITEX MINERVA

MINERPRINT® PURE

RANGE (PVC-FREE)

Minerprint® Pure inks are pigment dispersions in a phthalates-free plasticizer and PVC-free resins. They are ready-to-use, perfectly homogeneous inks.

They differ from the Plast range by the absence of PVC in the formula: this characteristic makes them really eco-friendly. They meet the most stringent textile standards.

Like the Plast range inks, they are thixotropic allowing to obtain precision in the details, high coverage and printing uniformity.



ADVANTAGES

- ✓ Eco-friendly profile: PVC-, phthalates-, formaldehyde- and heavy metal-free
- ✓ Versatility: can be printed on any substrates that resist at curing temperature
- ✓ Stability during transport and storage (no shelf life)
- ✓ Stability in the screen: they don't dry at room temperature
- ✓ Very good printability
- ✓ High production efficiency
- ✓ Fast drying capacity under flash
- ✓ Bright colours
- ✓ Excellent coverage
- ✓ Semi-opaque finishing
- ✓ No tack and soft touch
- ✓ Good elasticity and flexibility
- ✓ Good general fastness
- ✓ Low curing temperature



SPECIAL FEATURES

Ecological profile: Minerprint® Pure range is an excellent alternative to plastisol inks, responding to the ecological demands of the market in search of high-performance products that at the same time allow to protect the environment.

Innovative formulation: Minerprint® Pure range combines the performance of traditional plastisol inks with the ecological advantages of the water-based ranges.

Stability over time: Minerprint® Pure range doesn't present problems of stability over time, neither during the transport nor storage phases. Stored as indicated in the specific data sheets, they have a shelf-life greater than one year.

Stability in the screen: Minerprint® Pure range doesn't dry in the screens, doesn't block them, allowing a significant reduction in machine cleaning times and a reduction of product waste, as well as production costs. This allows to maintain high production rates.

Low curing temperature: Minerprint® Pure range has the characteristic of curing at low temperatures without affecting the final characteristics of the prints.



MINERPRINT® PURE RANGE

CLEARs

	Curing [°C]	Coloured series	Elasticity	Pigmentable
MINERPRINT® PURE CLEAR	130°C	●	Up to 30%	●
MINERPRINT® PURE PK COLOURS	130°C	●		●

OPAQUES

	Curing [°C]	Coloured series	Elasticity	Pigmentable
MINERPRINT® PURE COLOURS	130°C	●		●
MINERPRINT® PURE FLUO NFO COLOURS	130°C	●		
MINERPRINT® PURE BLOCKER	130°C	●		●
MINERPRINT® PURE BASE	130°C			●
PLAST MATT	130°C		Up to 30%	●

3D EFFECTS

	Curing [°C]	Coloured series	Elasticity	Pigmentable
MINERPRINT® PURE FOAM	150°C		Up to 30%	●
MINERPRINT® PURE CLEAR ABS	130°C	●	Up to 30%	●
MINERPRINT® METALLIC	130°C	●	Up to 30%	●

WHITE

	Curing Temp. °C	Elasticity	Pigmentable	Transfer	Printability	Opacity	Tacking	Drying time flash curing	Soft touch	Bleeding	Suggested screen (yarns/cm)
MINERPRINT® PURE WHITE	130°C	●	●	●	5	4	4	5	3	3	90

ADDITIVES

	MINERPRINT® PURE CLEAR Increase final elasticity and softness	MINERPRINT® PURE REDUCER Reduce ink viscosity	MINERPRINT® PURE FOAM Puff base	MINERPRINT® PURE BASE Matting agent
MINERPRINT® PURE PK COLOURS	5 - 10%	5 - 10%		20 - 40%
MINERPRINT® PURE COLOURS	5 - 10%	5 - 10%	40 - 70%	20 - 40%
MINERPRINT® PURE FLUO NFO COLOURS	5 - 10%	5 - 10%	40 - 70%	
MINERPRINT® PURE BLOCKER		5 - 10%		
MINERPRINT® PURE FOAM	5%	5 - 10%		
MINERPRINT® PURE CLEAR ABS		5 - 10%		
MINERPRINT® PURE METALLIC	5 - 10%	5 - 10%		



With "Colour Matching System" MinerMix Minerprint® PURE is possible to obtain Coated formulations, in a fast, easy and reproducible way!

Note: data contained in this document are based on our current knowledge and experience, they are not to be considered a guarantee, considering the numerous factors that can influence the process and application of our product. This data doesn't relieve users from carrying out their own preventive tests. The colours shown in this chart are purely indicative.

1: Low	2: Sufficient	3: Quite Good	4: Good	5: Excellent
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PLAST RANGE

Plast inks are suspensions of polyvinyl chloride (PVC) in a phthalates-free plasticizer. 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 cross the meshes of the frame fabric under the pressure exerted by the printing squeegee and to return to the previous viscosity without widening too much on the printed support and without dripping from the frame, 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 (no shelf life)
- ✓ Stability in the screen: they don't dry at room temperature
- ✓ Very good printability (up to 120 threads/cm)
- ✓ High production efficiency
- ✓ Fast drying capacity under flash
- ✓ Bright colours
- ✓ Excellent coverage
- ✓ Semi-opaque finishing
- ✓ No tack and soft touch
- ✓ Good elasticity and flexibility
- ✓ Good general fastness
- ✓ Low curing temperature



SPECIAL FEATURES

Stability in the screen: Plast range doesn't dry in the screens, doesn't block them, allowing a significant reduction in machine cleaning times and a reduction of product waste, as well as production costs. This allows to maintain high production rates.

Stability Wet on Wet: Plast range allows wet-on-wet printing, without the use of intermediate flash lamps, with a consequent energy and time saving, this also allows to reduce print stations and increase the number of colours.

Low curing temperature: Achitex Minerva's Plast range has the characteristic of curing at low temperatures (130°C), without affecting the final characteristics of the prints.

PLAST RANGE

CLEARs

	Curing [°C]	Coloured series	Elasticity	Pigmentable
NEUTRAL PLAST	160°C	●	Up to 30%	●
PLAST PK COLOURS	130°C	●		●

OPAQUES

	Curing [°C]	Coloured series	Elasticity	Pigmentable
PLAST COLOURS	130°C	●		●
PLAST FLUO NFO COLOURS	130°C	●		
PLAST BLOCK GREY	160°C	●		●
PLAST COVERING	160°C		Up to 30%	●

SPECIAL EFFECTS

	Effect	Curing [°C]	Coloured series	Elasticity	Pigmentable
PLASTFOAM	3D	160°C	●	Up to 30%	●
PLAST BASE EL	3D	160°C	●	Up to 30%	
PLAST BASE G	3D	160°C	●	Up to 30%	
PLAST BASE HT	3D	160°C	●	Up to 30%	
PLAST METALLIC	3D	160°C	●		●
PLAST BASE TR	Adhesive	110 - 120°C	●	Up to 30%	●
PLAST DROP	Adhesive	110 - 120°C	●	Up to 30%	●
PLAST MATT	Matt Agent	160°C	●		●

WHITES

	Curing Temp. °C	Elasticity	Pigmentable	Transfer	Printability	Opacity	Tacking	Drying time flash curing	Soft touch	Bleeding	Suggested screen (yarns/cm)
PLAST ECOWHITE	160°C	●	●	●	5	4	4	5	4	3	90
PLAST WHITE AG	160°C	●	●	●	4	5	4	5	5	3	90
PLAST WHITE EL	160°C	●	●	●	4	4	3	3	3	1	55
PLAST WHITE LF	130°C	●	●		4	5	5	5	3	3	90
PLAST WHITE FAST FLASH	130°C	●	●	●	5	5	5	5	4	3	55
PLAST WHITE BLEEDING REDUCER	130°C	●	●	●	5	5	5	5	4	5	55

ADDITIVES

	PLAST BASE HT Increase final elasticity and softness	LUBRILAC PLAST Reduce ink viscosity	THINNER Reduce ink viscosity	PLASTFOAM Puff base	PLAST MATT Matting agent	PLAST BASE TR Hot-split transfer
PLAST PK COLOURS	5 - 10%	5%	5 - 10%			
PLAST COLOURS	5 - 10%	5%	5 - 10%	40 - 70%	20 - 40%	20 - 40%
PLAST FLUO NFO COLOURS	5 - 10%	5%	5 - 10%	40 - 70%		20 - 40%
PLAST BLOCK GREY		5%	5 - 10%			
PLASTFOAM	5%	5%	5 - 10%			20 - 40%
PLAST BASE EL		5%	5 - 10%			
PLAST BASE G		5%	5 - 10%			
PLAST BASE HT		5%	5 - 10%			
PLAST BASE TR	5 - 10%	5%	5 - 10%	40 - 70%		
PLAST METALLIC	5 - 10%	5%	5 - 10%			20 - 40%

PLAST & MINERPRINT® PURE 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



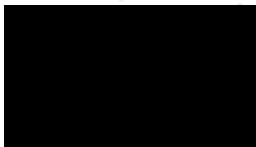
YELLOW PK



RED PK



BLUE PK



BLACK PK



MAGENTA PK

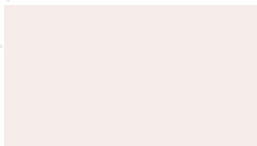
METALLIC EFFECTS



RICH GOLD



SILVER



PEARL



PLAST RANGE



MINERPRINT®
PURE RANGE





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