



FREE
PVC FREE
PLASTISOL INKS

EPTAINKS

the partner for industrial printing

FREE

TOPICS

... TEXTILE PRINTING INKS

... WHY CHOOSE FREE

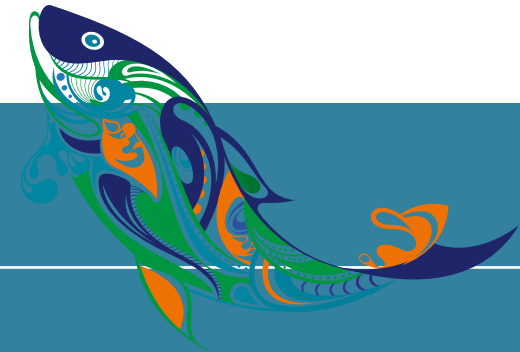
... WHY PRINTING WITH FREE

... FREE: COMPETITIVE ADVANTAGES

... FREE AND THE TEXTILE STANDARDS

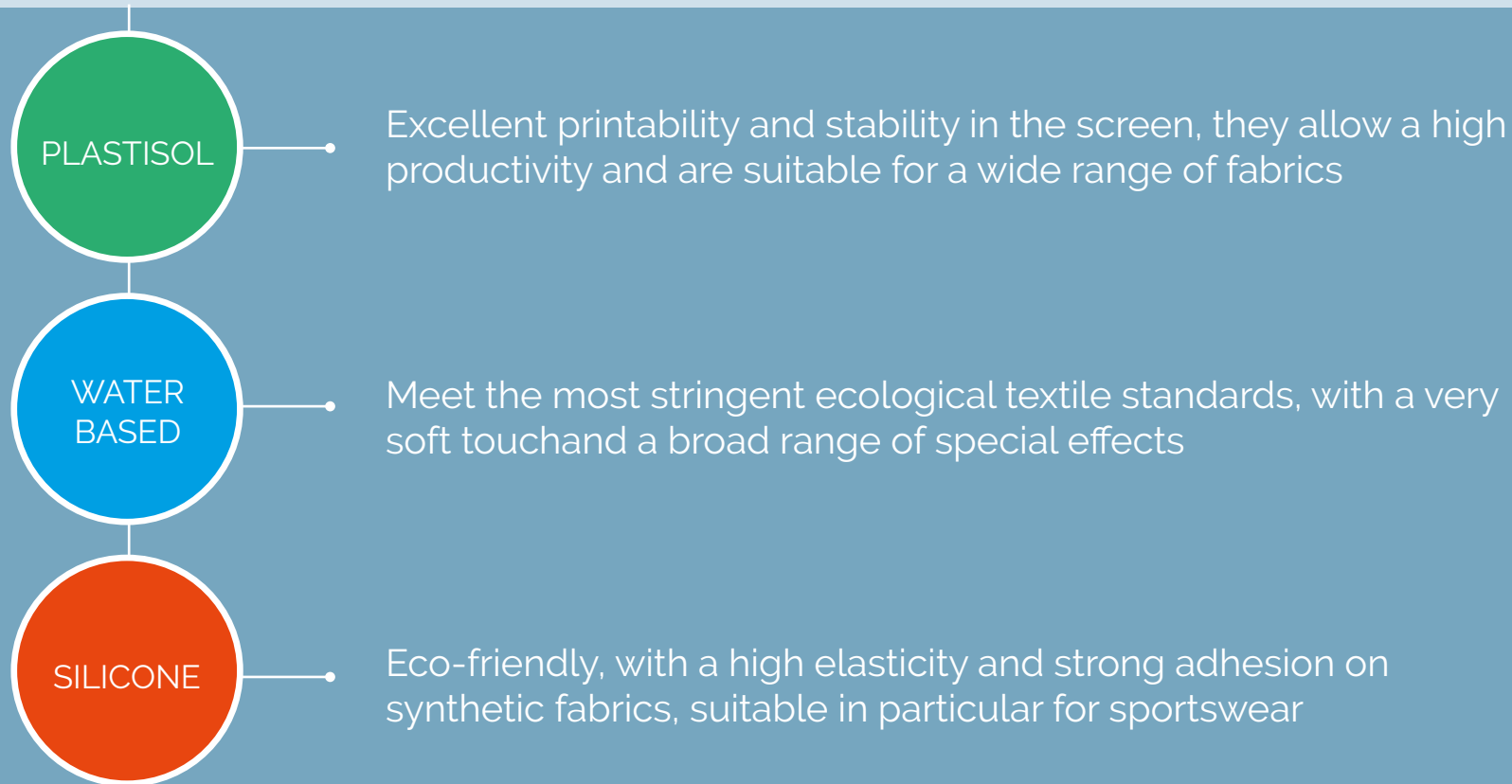
... RANGE

... APPLICATIONS



TEXTILE PRINTING INKS

The printing inks used for the decoration of pre-cut textile articles are essentially three:



FREE

WHY CHOOSE FREE PVC free plastisol ink

HIGH PERFORMANCES

Printability, stability and productivity like traditional plastisol inks, with a high quality final aspect

ECO-FRIENDLY

PVC and phtalates free inks, meets the most stringent textile standards

VERSATILITY

Compatible for printing on the vast majority of fabrics with a limited number of additives

FREE

WHY PRINTING WITH FREE

Excellent printability wet/wet



Good stability during transport and storage,
with a shelf-life of twelve months minimum



Excellent stability in the screen, like traditional
plastisol inks



Fast drying capacity of FLASH WHITE ink



Bright colours with matt effect



No tack and soft touch



Good general fastness



Eco-friendly profile: PVC, phtalates,
formaldehyde and heavy metal free



FREE

FREE: COMPETITIVE ADVANTAGES

Printing with FREE offers indisputable competitive advantages:

- **Wet-on-Wet printability.** Superior to conventional plastisols: high production performance and energy savings thanks to the reduce use of IR-drying
- **Stability in the screen.** FREE will not dry in the screen, resulting in significant less downtime for screen cleaning and machine set-up, with consequent cost savings. High production speed can be maintained during the whole cycle.
- **Innovative formulation.** FREE combines the productivity of traditional plastisols with the typical benefits of printing with water-based inks.
- **The ecological profile.** FREE is the real alternative to conventional plastisol printing and the fullfilling demand for PVC free products, related to environmental protection and to the high costs and complex PVC production process, use and disposal.

FREE

FREE AND THE TEXTILE STANDARDS

FREE series conforms to the most important textile ecological standards:



STANDARD 100



Certifications can be obtained, on specific request, from our Safety, Health, Environment & Quality (SHEQ) Department

RANGE

○ FREE FLASH WHITE

WHERE

For printing of a white background on dark fabrics

HOW

Printable with screen mesh up to 90 Th/cm

WHY

- Excellent printability
- High stability on screen
- Fast drying speed under IR lamps
- No tack and soft hands

○ FREE TRANSPARENT

WHERE

For printing of transparent effects, glitters and metal powders on light or dark fabrics

HOW

Printable with screen mesh up to 120 Th/cm

WHY

- Excellent transparency
- High stability on screen
- No tack and soft hands

FREE

RANGE

FREE STANDARD COLOURS

Ready-to-use semi-opaque inks

WHERE

For coloured printing on light or intermediate fabric

HOW

Printable with screen mesh up to 120 Th/cm

WHY

- Bright colours and soft touch
- Excellent printability wet/wet
- Pantone© formula mix

FREE OP

Ready-to-use high opacity inks

WHERE

For coloured printing on dark fabric without the use of a white background

HOW

Printable with screen mesh up to 90 Th/cm

WHY

- Bright colours without background printing
- Soft touch
- Good printability wet/wet

FREE

RANGE

FREE FLUO

Ready-to-use fluorescent inks

WHERE

For fluorescent printings on light or intermediate fabric

HOW

Printable with screen mesh up to 77 Th/cm

WHY

- Bright colours with fluo effect

FREE PROCESS

Transparent four-colours process inks

WHERE

For four-colour process printing on white background

HOW

Printable with screen mesh up to 120 Th/cm

WHY

- High resolution and dot definition
- Excellent printability wet/wet
- Excellent stability on screen

RANGE

○ FREE ANTI-BLEEDING GREY

WHERE

For background printing with anti-bleeding effect on synthetic fabric

HOW

Printable with screen mesh up to 34 Th/cm

WHY

- Fast drying under IR lamps
- Very low tack

○ FREE 3D TRANSPARENT

WHERE

For high thickness printing on light or dark fabrics

HOW

Printable with screen mesh up to 43 Th/cm

WHY

- To obtain 3D effect
- Matt finishing
- Excellent elasticity and flexibility

FREE

APPLICATIONS

100% COTTON FABRIC

FABRIC COLOUR	BACKGROUND	COLOURS	RESULT
White	Not needed	Up to 120 Th/cm Possibly add up to 5% of FREE THINNER	Soft touch Matt finishing
Black and coloured	Max 90 Th/cm FREE FLASH WHITE	Up to 120 Th/cm Possibly add up to 15% of FREE QUICK GEL 557 for Wet / Dry printing	Bright colours

FREE

APPLICATIONS

MIXED AND SYNTHETIC FABRIC

FABRIC COLOUR	ANTI-BLEEDING	BACKGROUND	COLOURS	RESULT
White	Not needed	Not needed	Up to 120 Th/cm Possibly add up to 5% of FREE THINNER	Soft touch Matt finishing
Black and coloured	Max 34 fili/cm FREE ANTI-BLEEDING BASE	43-77 Th/cm FREE FLASH WHITE	Up to 120 Th/cm Possibly add up to 15% of FREE QUICK GEL 557 for Wet / Dry printing	Matt finishing Good degree of whiteness

FREE

APPLICATIONS

SPECIAL EFFECTS

APPLICATION	PRODUCT	TH/cm	CURING	RESULT
Glitter	FREE TRANSPARENT	Check the threads number according to the glitters size	150°-160°C for 3 minutes	Excellent transparency Low yellowing
Glossy overprints	FREE TRANSPARENT	43-62 Th/cm	150°-160°C for 3 minutes	Gloss effect (The gloss effect may be increased through a hot stamp passage using siliconated or enameled paper, or glossy polyester film)
High thickness	FREE 3D TRANSPARENT	34 Th/cm	150°-160°C for 3 minutes	3D printing Matt finishing

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a Business Brand by



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