TIFLEX
marquer le monde

SCREEN PRINTING PLASTISOL INKS

CREATIVE CREA

PHTHALATES-FREE LOW CURE

Plastisol inks, phtalate-free, low cure (140°C / 284°F) : CREATIVE CREA is characterised by its numerous decorative or useful special effects, to be used alone or in combination with HIMALAYA inks.
The CREATIVE CREA range allows you to give free rein to your creativity and offers exceptional prints to your customers.

The CREATIVE CREA range is ECO PASSPORT by OEKO-TEX® certified.

Technical specifications

■ **Composition :** Free of phthalates, heavy metal salts (except Phosphorescent and Reflective), azo derivatives.

■ **Colors :** The CREATIVE CREA and HIMALAYA series can be mixed.

■ **Average yield :**
- 21 t/cm screen : 15 sqm/l.
- 62 t/cm screen : 25 sqm/l.

■ **Washability :** Very good at 40°C.

⚠️ Add imperatively 5% of Soft hardener 3600 **(3470805)** for Phosphorescent and Reflective.

■ **Ironing :** On the reverse side.

■ **Shelf life :** Refer to the label.

Use

■ **Drying :**
- 2 minutes at 140°C in IR tunnel.

■ **Mesh count :**
- 36 to 43 t/cm for Antibleeding black.
- 62 to 120 t/cm for Disco varnish.
- 62 to 90 t/cm for Soft base.
- 62 t/cm for Chalk effect.
- 48 to 62 t/cm for fluo colors and Metal silver.
- 48 t/cm for Phosphorescent.
- 21 to 62 t/cm for Puff base and Puff transfer base.
- 21 to 36 t/cm for Pearl varnish, Sparkled varnish, and Metal gold.
- 21 t/cm for Reflective and Reflective silver.

■ **Printing :** Manual, semi-automatic and automatic carousels

■ **Emulsions :** Solvent resistant emulsions like Tiflex emulsions : 19 T, 200 T, 400 ST.
Depending on the exposure system.

■ **Squeegee* :**
- Polyurethane 3C Green **(245604)** recommended.
- Squeegee angle as straight as possible (15 to 22°).

■ **Adhesives for paletts :**
- Aerofix S **(25D1815)**, Takter 4000 **(25D1830)**, Takter 1 **(25D1720)**.
- Adhesive 0381 **(3344079)** for roller application, Water-based adhesive **(25D3911)** for spray application.

For time saving, you can apply an adhesive Tape on to the paletts **(25D9900)**.

■ **Cleaning :**
- Manual : Solvents 2891, 2899, NS-91.
- Washer : Solvents 2881, NS-91.

After a cleaning with NS solvents, dry your material.
* Depending on the equipment used.

Additive and thinners

Fast flash additive HIMALAYA (3194030) : Reduction of flash cure time. Add 2% maximum.
The use of this fast plasticizer reduces the viscosity of the ink.

Plasticizer thinner HIMALAYA (3194034) : Reduction of the viscosity. Add 2% maximum.

Soft hardener 3600 (3470805) : Improvement of washability and adhesion to textiles. Add 5%.

Gelling agent (3952061) : Increase ink deposit and viscosity. Add 0,2 to 1 %.
High density prints ; add up to 2%.

⚠️ Mechanical agitation required. This additive effects is optimal during 24 hours after mixing ; it's recommended to prepare small quantities.

NEON COLORS

Neon colors, uncommons in the nature, draw the eye to a pattern or message. Stand out from the crowd !

These inks are not opaque, they must be printed on light colored fabrics or on under base white (HIMALAYA White - **Réf. 39H4000**).

Mesh count : 48 to 62 t/cm.

SOFT BASE

This base can be used alone (in overprint) to give a satin and soft aspect to the pattern printed with HIMALAYA inks.

It can be used as a mixing base with HIMALAYA inks to improve the final touch feel of the print.

Mesh count : 62 to 90 t/cm.

METAL GOLD

This Metal gold ink allows to obtain very luminous shades and very amber golden aspects.

Mesh count : 21 to 36 t/cm.

METAL SILVER

These prints remind us of the precious deposits of Silver Metal. The use of 5% Hardener XD 150 **(3982099)** is imperative to obtain high washability and resistance to friction.

To maintain the ECO PASSPORT by OEKO-TEX® certification, we recommend the use of 5% Soft Hardener 3600 **(3470805)**.

This ink is only used in direct printing.

Mesh count : 48 to 62 t/cm.

PHOSPHORESCENT

Let's take advantage of the night to scare ourselves by letting ghosts appear on T-Shirt, to dream with stars or simply to send a message in the dark ! All this is possible by printing phosphorescent patterns.

These inks are not opaque, they must be printed on light colored fabrics or on under base white (HIMALAYA White - **Réf. 39H4000**).

Mesh count : 21 to 36 t/cm.

REFLECTIVE SILVER

The prints are flattering during the day thanks to the sparkle silver shade. The glass beads in this ink reflect the light of vehicle headlights at night.

This ink is a decorative effect.

Mesh count : 21 t/cm.

REFLECTIVE

These prints have a grey aspect during the day.
At night, these prints will reflect the lights of lamps or headlights making visible the printed garment and its user.

Being opaque, this ink doesn't require an under base.

The use of 5% Hardener XD 150 **(3982099)** is imperative to obtain high washability. To maintain the ECO PASSPORT by OEKO-TEX® certification, we recommend the use of 5% Soft Hardener 3600 **(3470805)**.

This ink is a decorative effect.

Mesh count : 21 t/cm.

CHALK EFFECT

Want to share an information about your mood, your social life or a cause you care about ? A Chalk effect solid ink will allow you to draw or write with chalk on your T-shirt, erase and start over.

This ink can be wiped off with a slightly damp cloth or sponge or by washing the garment.

Mesh count : 62 t/cm imperatively.

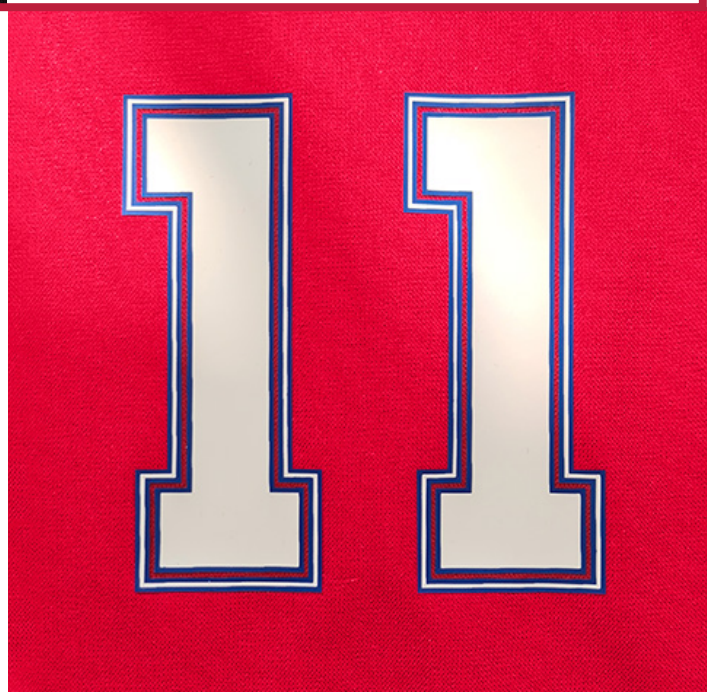
ANTIBLEEDING BLACK

Bleeding is visualised by an instantaneous or slow colouration of white (or light) inks. For example, a white print will turn pink on red textile.

An undercoat of Antibleeding Black can be printed to limit the migration of these dyes into the inks.

HIMALAYA Antibleeding White **(39H4095)** can also be used. These inks are not active on the same dyes and testing is required to find the right combination.

Mesh count : 36 to 43 t/cm.



SPARKLED VARNISH

The Pearl varnish can be used alone to obtain a natural pearly effect. It can also be colored by adding up to 5% of HIMALAYA inks to obtain various shades of mother of pearl.

Being transparent, its rendering will be different depending on the color of the fabric or the printed under base.

Mesh count : 21 to 36 t/cm.

PEARL VARNISH

Used alone, this varnish gives a sparkling aspect to your print.

Overprinted on HIMALAYA inks, the colorless glitter will sparkle with colored reflections associated with the shade of the under base ink.

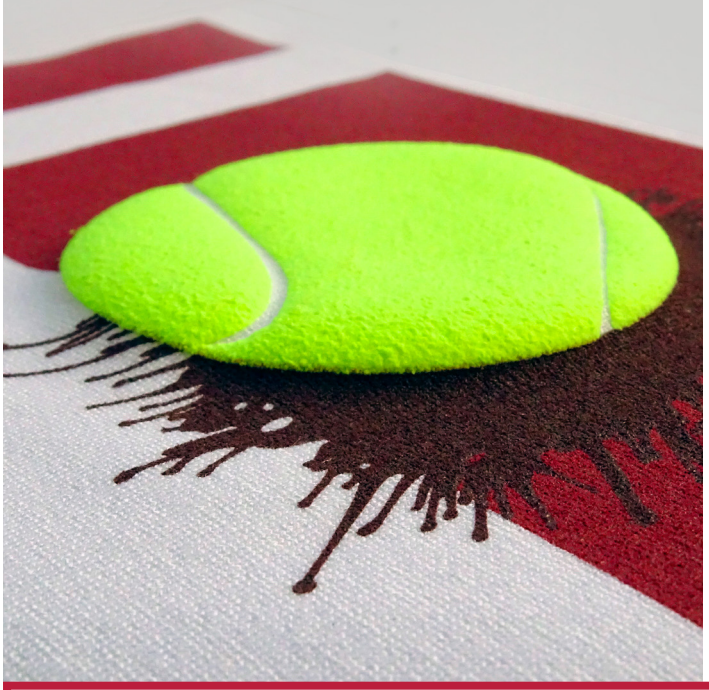
Mesh count : 21 to 36 t/cm.

DISCO VARNISH

This varnish is discreet in daylight and not visible in the night. Its takes on a blue-violet fluorescence in black light. The prints will be revealed on a T-Shirt during the variations of light effects in nightclub or in evening.

It can be used to authenticate a garment, avoid counterfeiting but also for marking and patterning fabrics.

Mesh count : 62 to 120 t/cm.



PUFF BASE

Mixed with a Himalaya ink, this base gives a puff effect (3D) to the ink after polymerization. The mixture is made in the maximum proportion of 50 % of base, to preserve the resistance of the impression, in particular washability.

The puff volume depends on the mesh used.

This ink is printing directly to uncoated fabrics.

Tests are necessary to determine the time and temperature parameters according to the equipment used to obtain the best possible expansion.

Mesh count : 21 to 62 t/cm.

PUFF TRANSFER BASE

This base is used in mixing with the inks or the HIMALAYA Mixing base up to 50%. This mixture is then printed either directly on siliconized paper or on the HIMALAYA print on the transfer paper. This technique highlights only some areas of the print to create a 3D effect.

This base is only used in transfer printing.

Mesh count : 21 à 62 fils/cm.

INSTRUCTIONS FOR USE OF THE PUFF TRANSFER BASE :

1) Pre-gelling : 30 to 60 secondes at 105-110°C.
⚠️ Ink should not puff on the paper.

2) Press conditions : 4 to 10 secondes at 190°C (high platen) with a pressure of 5 to 6 bars. Transfer conditions are determined by tests. A compromise must be reached between expansion and transfer strength.
Tests are imperatives.

3) Effect : Obtaining a relief decoration with a soft and smooth surface to the touch. The 3D relief effects will be optimized by reserves on the print.

EXAMPLE OF USE :

Support : Print on matt transfer polyester film on black textile.

Screen 48 t/cm :
- Mix of 93% HIMALAYA Extra opaque white **(39H4098)** and 7% Transfer powder **(3863317)**.
- Drying : 1 minute at 110°C in IR tunnel.

Screen 21 t/cm :
- Mix of 40% HIMALAYA Solid red **(39H4013)**, 50% Puff transfer base **(39L4007)** and 10% HIMALAYA Glossy elastice base **(39H4092)**.
- Sprinkling of PET powder **(3863327)**.
- Drying : 1 minute at 110°C in IR tunnel.

Press conditions : 8 secondes at 170°C with a pressure of 6 bars.

Compliance

The CREATIVE CREA range is **ECO PASSPORT by OEKO-TEX®** certified. They comply with the **EN 71-3 standard**, **ROHS directive** and **REACH/CLP regulation**.

Product range

NEON COLORS	Ref. 1 l	Ref. 5 l
Neon yellow	39L2085	39L4085
Neon yellow	39L2086	39L4086
Neon red	39L2087	39L4087
Neon pink	39L2088	39L4088
Neon green	39L2089	39L4089

BASES	Ref. 1 l	Ref. 5 l
Base mate soft	39L2005	39L4005
Puff base	39L2006	39L4006
Puff transfer base	39L2007	39L4007

EFFECT PRODUCTS	Ref. 1 l	Ref. 5 l
Antibleeding black	39L2044	39L4044
Metal gold	39L2094	39L4094
Metal silver	39L2091	39L4091
Phosphorescent	39L2047	39L4047
Reflective silver (decorative effect)	39L2092	39L4092
Reflective (decorative effect)	39L2049	39L4049
Chalk effect	39L2090	39L4090

EFFECT VARNISH	Ref. 1 l	Ref. 5 l
Pearl varnish	39L2041	39L4041
Sparkled varnish	39L2043	39L4043
Disco varnish	39L2045	39L4045

ADDITIVES AND THINNERS	Ref. 1 l	Ref. 5 l
Fast flash additive HIMALAYA		3194030
Plasticizer thinner HIMALAYA		3194034
Soft hardener 3600, 130 g	3470805	
Gelling agent, 1 kg	3952061	

TRANSFER ADHESIVES	Ref. 1 l	Ref. 5 l
HIMALAYA White adhesive	39H2098	39H4098
HIMALAYA Transparent adhesive		39H4099
HIMALAYA Ribbon adhesive		3864042
PET Powder adhesive, 3 kg		3863327

The colors reproduced on this document are not contractual. Upon request, we can provide you with a color chart reproducing the colors in a more faithful way.

Inks :

OEKO TEX®

ECO PASSPORT

ZH150 158331
TESTEX

Additives :

OEKO TEX®

ECO PASSPORT

ZH150 216191
TESTEX

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