



## SCREEN PRINTING TEXTILE INK

### EVEREST

*Phthalate free Plastisol ink, It can be flash cured and printable on Oekotex 100 Class 1 certified fabrics (see certificate). For direct and transfer printing. WITHOUT PHTHALATE.*

#### Use

The **EVEREST** inks are used with screens coated with Diazo S (19S/149S) or Diazo-Photopolymer (UST, 200S) or Graphic HU, Textil HT, Textil PV solutions. Fabric mesh is chosen based on the work to be carried out.

For multiple printing, we recommend you to flash between each colour.

After suitable heating treatment, the printed substrates, at ambient temperature, are touch dry and flexible. Times for flashing and polymerization are based on:

- The ink, its colour, and the thickness deposited
- The printed substrate, its make-up, its colour
- The material used and its environment

**Note:** we also recommend you to add our hardener XD 150 (representing 5% of the ink weight) in case of printing of fragile fabrics (polymerization at 150°C/160°C).

Then the temperature of polymerization could be lowered from 10°C to 20°C.

In that case, "pot life" will be around 8 hours.

**The hardener will be used either to ensure complete polymerization of a wide layer, either in case of a specific washing resistance (fragile fabric) or for a short drying in an IR oven.**

**Transfer printing will be done with the Everest ink like the other plastisol inks in general and you can use a special Everest adhesive.**

**Blend the ink before use. Use only referenced additives.**

#### Specifications

- |                              |   |                                |                               |
|------------------------------|---|--------------------------------|-------------------------------|
| > Appearance:                | satin   | > Washing resistance:          | good                          |
| > Smell:                     | very few  | > Ironing:                     | on the reverse side           |
| > Average density:           | 1,25  | > Diluent accelerator:         | 7158                          |
| > Rheology:                  | thixotropic ink   | > Plastifying diluent Everest: | 3194024                       |
| > Polymerisation:            | 2 min. at 150 - 160°C<br>values to be adjusted depending on the material used (test the printing based on the planned wash program for the article) | > Cleaning solvents:           | 2881, 2891, 2899<br>and NS-91 |
| > Covering power by opacity: | excellent   | > Expiry:                      | refer to the label            |
| > Coverage rate:             | 20 m <sup>2</sup> /l<br>with a 48 -70 mesh  | > Colours miscible together:   | yes                           |

The **EVEREST** inks comply with the norm EN 71-3 and can be printed on Oekotex 100 Class 1 babies clothes.

# PHTHALATE FREE

**TIFLEX would like to draw you attention to the following points:**

Before starting production, you are recommended to check the ink compatibility and resistance on a textile by washing the finished article according to the conditions indicated on its label.

Washing resistance may be reduced with some dyes rich in bases or white (transparent or pastel colours). The washing resistance may also be reduced due to fibrillation (fibres projecting through the printing). This phenomenon is independent of the ink polymerisation.

High washing temperatures associated with powerful detergents may lead to colour changes with some colours including gold and silver.

STANDARD COLOURS	Ref. 1 l	Ref. 5 l
white*	39C2000	39C4000
kilimandjaro white		3954010
anti bleeding white	39C2095	39C4095
color catcher white		39C4087
anti bleeding gray		39C4043
polar white	39C2089	39C4089
flash cure white	39C2086	39C4086
lemon yellow*	39C2002	39C4002
medium yellow	39C2003	39C4003
gold yellow*	39C2004	39C4004
orange*	39C2006	39C4006
solid red*	39C2013	39C4013
rubis red	39C2012	39C4012
fuchsia*	39C2015	39C4015
violet*	39C2016	39C4016
royal blue	39C2024	39C4024
mid blue	39C2021	39C4021
primary blue*	39C2020	39C4020
reflex blue	39C2025	39C4025
deep blue	39C2026	39C4026
green	39C2031	39C4031
mint green*	39C2035	39C4035
emerald green	39C2033	39C4033
black*	39C2044	39C4044



STANDARD COLOURS	Ref. 1 l	Ref. 5 l
<b>4-COLOURS PROCESS</b>		
4-COLOURS yellow	39C2050	39C4050
4-COLOURS magenta	39C2052	39C4052
4-COLOURS cyan	39C2054	39C4054
4-COLOURS black	39C2056	39C4056
<b>BASES</b>		
thinner base*	39C2066	39C4066
elastic base	39C2092	39C4092
extensible base		39C4097
<b>SPECIAL EFFECT</b>		
sparkle silver	39C2091	39C4091
sparkle gold	39C2094	39C4094
black light varnish		39C4058
<b>ADHESIVES</b>		
white adhesive, 5 l		39C4098
transparent adhesive, 5 l		39C4099
powder adhesive, 3 kg		3863327

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On simple request, we can propose you a color panel card displaying accurate shades.



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