

# TL4-Pad ink

Provisional technical datasheet

## Pad printing ink for natural or synthetic fabrics

### APPLICATIONS

TL4-Pad is a two-component solvent-based pad-printing ink designed for printing on natural or synthetic textiles requiring high resistance against washing and ironing.

### SUBSTRATES

- Cotton
- Nylon
- Polyester
- Polyamide (PA)
- Spandex
- Leather
- Clothing in Tyvek © 14 and 16
- Polyurethane foams and varnishes (leatherwear)

### INK ADHESION

Because all the substrates mentioned may be different in printability, we recommend carrying out pre-production trials.

### BENEFITS

This pad printing ink is characterized by an excellent flexibility, mechanical and chemical resistance when mixed with ST305 hardener.

### THINNING

TL4-Pad should be adjusted before use to the required viscosity by adding **20% to 30% of T-U THINNER UNIVERSAL**.

### HARDENER & POT LIFE

To get the washing machine resistance, you must add **10% of ST305 hardener**.

When mixed with Hardener ST305, the pot life varies from 3 hours to 6 hours depending on printing machine environment.



### DRYING

Physical drying is made by the evaporation of the solvents used. Then, the real drying is caused by the chemical cross-linking reaction between the ink and the hardener. The full drying time is about:

- 20 sec at 20 °C for stackable prints
- 2 days at 20 °C for washable prints
- 7 days at 20 °C for the final hardness

### PACKING

1 kg



### STORAGE

One year guaranteed shelf life under the following conditions:

Undiluted ink, in the original, unopened container is applicable to inks stored in a dry, well-aired environment at a temperature between 15 and 25 °C (59-77 °F)

### HEALTH AND SAFETY

The vast majority of printing inks and related products formulated by Encres DUBUIT contain no substances of very high concern. Our products comply with the requirements of Directives 2011/65/EU (RoHS 2), 2015/863/EU (RoHS 3) and 94/62/EC (heavy metal concentration levels present in packaging). For more information about our regulatory compliance, please consult our Eco System document, available on request.



<b>TL4-PAD</b>		
<b>ARTICLE DESIGNATION</b>	<b>REF.</b>	<b>CODE 1 KG - 1 L</b>
TL4-Pad White	83	CTL4PAD083K
TL4-Pad Black	13	CTL4PAD013K
TL4-Pad Varnish	090	CTL4PAD090K
TL4-Pad Silver	21S	W31560K
TL4-Pad Lemon Yellow	805	CTL4PAD805K
TL4-Pad Yellow	810	CTL4PAD810K
TL4-Pad Orange Yellow	820	CTL4PAD820K
TL4-Pad Orange	830	CTL4PAD830K
TL4-Pad Vermilion	840	CTL4PAD840K
TL4-Pad Rubine	850	CTL4PAD850K
TL4-Pad Pink	860	CTL4PAD860K
TL4-Pad Violet	870	CTL4PAD870K
TL4-Pad Blue	880	CTL4PAD880K
TL4-Pad Deep blue	885	CTL4PAD885K
TL4-Pad Green	890	CTL4PAD890K
<b>ADDITIVES</b>		
HARDENER	ST305	BDIV305K
THINNER UNIVERSAL	T-U	DTUL

Encres DUBUIT guarantees the quality of our products. However, we cannot guarantee the final result, because we exercise no control over individual operating procedures. Our responsibility is limited solely to the exchange of ink or varnish. The quality of a substrate to be printed can vary, as well as an overprinted ink; therefore, the above information is given in good faith based on the state of our art and prior experience. This statement also applies to our technical assistance. When using our inks and varnishes on a new substrate or when changing operating procedures, we strongly recommend testing first a full-scale production to ensure compatibility. Please refer to our General Conditions of Sales.