

# SOLVENT-BASED PAD-PRINTING INK



Last update : 05/2012

TDS Reference : DG 334/150

## T-150

### Application

T-150 is an epoxy, glossy, 2-components pad-printing ink with outstanding adhesion properties on a variety of substrates such as glass, metal, lacquered metal, treated PE and PP (Corona or flaming treatment), thermosetting resins (for eg. "bakelite")...

### Advantages

T-150 exhibits a great resistance to abrasion and chemicals such as solvents and alcohols, and a great hardness.

### Machines

Manual machines, semi-automatic or automatic-pad printing machines

### Finish

Glossy



### Additives

#### Thinning:

The Pad Printing ink should be adjusted before use to the required viscosity by adding one of the following thinners :

Fast Thinner :	H4144
Medium Thinner :	TP

Starting quantity of thinner : 15%.

#### Hardener & Pot Life :

The hardener T152 can be used in most cases. For special applications depending on the substrate's type, you may use T157 instead : for ex. for printing on polloplas, bakelite, nylon, polyamide, and for the silver and gold special shades. You may add 10% hardener.



### Drying

	With hardener T152	With hardener T157
<b>Ratio ink –hardener</b>	80 % ink 20 % hardener	80% ink 20 % hardener
<b>Drying</b>	Ambient temperature : 10 to 15 min 80°C : 4 to 5 min	Ambient temperature : 15 to 20 min 80°C : 6 to 7 min
<b>Polymerization</b>	Ambient temperature : 3 to 4 days 80°C : 10 to 15 min	Ambient temperature : 5 to 6 days 80°C : 15 to 20 min

# T-150 — SELECTION CHART



## STANDARD SHADES

PRIMAVERA YELLOW	300	C950300K
MID YELLOW	310	C950310K
GOLDEN YELLOW	320	C950320K
MANDARINE	330	C950330K
VERMILLON	340	C950340K
DARK RED	350	C950350K
PINK	360	C950360K
VIOLET	370	C950370K
PRIMARY BLUE	380	C950380K
EMERALD GREEN	390	C950390K
COVERING WHITE	82	C950082K
BLACK	11	C950011K
VARNISH	90	C950090K
HARDENER T152	T152	C950992K
HARDENER T157	T157	C950997K

## SPECIAL REQUIREMENTS

Available on demand only:  
Rich Gold 25S  
Pale Rich Gold 25S  
Pale Gold 25S  
Silver 21S

Available on demand only:  
Fluorescent shades  
Transparent shades  
Pigment concentrates  
Process colors

### **Leveling agent**

The additive ST 155 will eliminate surface defaults such as bubbles, pinholes, and will help reaching a smooth surface aspect.



### **Cleaning**

The pad-printing inks T-150 can be removed from printing blocks and working materials without any problem, using Dubuit's standard cleaning solvents Solvent G and 93801

### **Surface energy**

A uniform surface energy of at least 38 Dyne/cm<sup>2</sup> is required for a good adhesion. The substrate's surface should be free of graphite, silicone, dust and residues of grease or similar substances (e.g. finger prints).

### **Pantone colors**

Mixing formulations exist to match colors of the Pantone color guide. Please contact us to get the formula.

### **Storage**

Standard shades have a guaranteed shelf life of 1 year from their date of shipment from our factory, undiluted, in the original, unopened container. The above guaranty is applicable to inks stored in a dry, dark, well-aired environment at a temperature between 15-25 °C (59-77 °F).

***Because of the large diversity of plastics, recycling materials and copolymers, we strongly recommend that you carry out pre-production trials to assess suitability of T-150 to the substrate.***



### **Standard and Legislations:**

For full details about our inks' conformity with current standards, please refer to the document ECO SYSTEM LABEL by Encres Dubuit.

**Material safety data sheet** available at : <http://www.edubuit.com/msds/> or [export@encresdubuit.com](mailto:export@encresdubuit.com)

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Dubuit guarantee the quality of our products. We cannot however guarantee the finished results because we exercise no control over an 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 can an ink being overprinted; 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 before use in a production situation to ensure full compatibility. **Please refer to our General Conditions of Sales.**