Solvent-based pad-printing ink

Tampo 150

High Gloss
High Resistance to abrasion

Application
T-150 is a solvent-based epoxy, 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 flame treatment), thermosetting resins (e.g. Bakelite), etc.

Advantages
Great Resistance to abrasion and chemicals such as solvents like alcohols
Great hardness
High Gloss

Thinning
The viscosity of T-150 should be adjusted before use by adding at least 15% of one of the following thinner:
Fast Thinner: H4144
Standard Thinner: H4281 or TP
Slow Thinner: H4282

Ink Adhesion
When perfectly cured, this ink has excellent resistance to a great deal of products. H5528 hardener is suitable in most cases. For special applications and depending on the type of media to print, it is necessary to use the hardener Tampo 157 (Pollopas, Bakelite, Nylon, Polyamide, laminated surfaces and for bronze and aluminium colours). In the case of limited adhesion on glass, it is possible to use between 15 to 20% of the hardeners H5528 or T157. Because of a large diversity of plastics, recycled materials and copolymers, we strongly recommend that you carry out pre-production trials to estimate ink adhesion on the substrate.

Finish
Glossy

Drying

<table>
<thead>
<tr>
<th></th>
<th>With hardener H5528</th>
<th>With hardener T157</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratio ink-hardener</td>
<td>85 % ink</td>
<td>80% ink</td>
</tr>
<tr>
<td></td>
<td>15 % hardener</td>
<td>20 % hardener</td>
</tr>
<tr>
<td>Drying</td>
<td>Room temperature: 10 to 15 min</td>
<td>Room temperature: 15 to 20 min</td>
</tr>
<tr>
<td></td>
<td>80°C: 4 to 5 min</td>
<td>80°C: 6 to 7 min</td>
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<tr>
<td>Curing</td>
<td>Room temperature: 3 to 4 days</td>
<td>Room temperature: 5 to 6 days</td>
</tr>
<tr>
<td></td>
<td>80°C: 10 to 15 min</td>
<td>80°C: 15 to 20 min</td>
</tr>
</tbody>
</table>

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

Cleaning
The pad-printing ink T-150 can be easily removed from printing blocks and working materials using Dubuit’s standard cleaning solvents, solvent G or 93801

Colour Matching
Dubuit offers a full in-house colour matching service from 1 kg. Please provide as much information as possible regarding the type of substrate, colour, mesh used. When printing on dark substrates, we can provide, upon request, covering quality shades (heavily pigmented). However, be aware that the Primavera Yellow 300 and the Mid Yellow 310 as well as their concentrates will degrade at temperatures exceeding 120°C.

Pigment concentrates
It is possible to enhance the power of colours by adding pigment concentrates from our 8500 ink range.

Metallic Shades
Metallic shades can be obtained using the varnish 090 together with Silver 16S, Glossy silver 18S, bronze powder 17C (3 shades : rich gold, pale gold, rich pale gold) or Varnish Ref 70 + metallic powders Ref 30. You can also use ready to use ink or mix the components: silver 16S, glossy silver 18S and/or 25S (3 shades). When you work in 2-components system, you have to prepare the mixture at the time of use. If not, the hardener will interact too rapidly, the life pot of the mixture is maximum 2 hours.
Storage
Our warranty terms are related to the following maximum shelf life:
Standard UV inks: 1 year
Standard solvent based inks: 1 year
Special colours, solvent and UV: 1 year
Fluorescent shades: 3 months
Gold and aluminium shades: 3 months
Transparent colours: 6 months
UV water based inks: 1 year
Hardeners, special products: 1 year
The storage must be done in a dry, well aired environment at a temperature between 15 and 25°C in the unopened original containers.

Hygiene and Security
Printing inks and related products made by Encres Dubuit contain no substances of very high concern (SVHC) candidate for authorization (to June 15, 2015) and comply with the requirements of Directives 2011/6/EU (RoHS) and 94/62/EC (heavy metal concentration levels present in packaging). For more information about our regulatory compliance, thank you to consult our Eco System document, available on request.

Additives and special products
Do not forget that additives must not be incorporated systematically in the inks, but must be used with caution as their dosage and their field of use can often present risks. The special products we deliver are of consistent quality. Encres Dubuit cannot guarantee the work using these products. Indeed, they cannot influence neither the working methods nor the operating parameters.

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.