

## Ink Technologies

- **Aspect**  
Glossy
- **Applications**  
Dry transfer on plastic materials, lacquered wood, glass, metal
- **Major advantages**  
High degree of flexibility. After thorough hardening, inks become resistant to most chemical products  
Printing on adapted substrates of glossy property for a glossy finish transfer and of matte property for a matte finish transfer
- **Printing**  
Automatic and semi-automatic machines

## SOLVENT INK

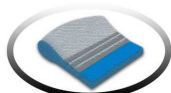


### TECHNICAL CHARACTERISTICS



**Screens**

Fabrics: all mesh types from 43 to 100 threads/cm for varnish.  
From 90 to 120 threads/cm for colors.  
From 100 to 120 threads/cm for the PERMACOL UV adhesive.  
Reports: emulsions and films must be solvent resistant



**Squeegees**

Polyurethane, hardness 75 SH



**Coverage**

With a 120 threads/cm fabric, 1 kg will approximately cover 55 to 65 m<sup>2</sup>



**Dilution**

The PERMACAL inks need to be used with the PM280 hardener to be added at the time of use with the following proportions:  
Colors: add 25 gm of PM280 hardener to 100 gm of ink.  
Varnish: add 50 gm of PM280 hardener to 100 gm of varnish.  
The shelf life of the ink/hardener mixture is about 3 to 4 h depending on ambient temperatures.  
The mixture achieved can exclusively be diluted with 5 to 10% of the PM201 thinner or eventually with the PM203 retardant



**Cleaning**

Cleaning with the solvent 77BIO, 77NETX1 or X1SE is recommended. After use, the screen should be cleaned immediately as the hardener would render the ink dissolution impossible once drying has taken place inside the screen



**Packaging**

PERMACAL 1 kg

#### Guarantee reserves

Although the data indicated in this document have been established after thorough tests, they are only given as an indication. VFP Company cannot be held responsible in any way, it being understood that we recommend making tests before starting any production run. No salesman, representative or agent is entitled to provide a guarantee or any insurance which might contradict the above statement. Please always refer to our general sale conditions.



**Storage**

Five years in its original packaging stored in between + 5°C and + 35°C



**Adhesion / resistance**

The PERMACAL inks are super resistant especially to: alcohols, detergents, mineral oils, cosmetic products, soaps, gasoline, sea water, light hydrocarbons, ketones, aggressive acids and washing liquids



**Drying**

It is only after printing and its drying by solvent evaporation that the chemical reaction between the 2 components starts.  
The stacking period depends on ambient temperature and hygrometry conditions. Ensure that a silicone paper sheet is stacked for 8 to 12 h after the printing of the adhesive.  
In ambient air, the print substrates can be handled after 2 hours and will be thoroughly dry in 4 h. In the case of overprint, the next following color can be printed within 4 to 8 h depending on ambient temperature and hygrometry



**Handling**

After extraction of the ink, open pots need to be promptly and carefully closed to prevent any contamination or dust.  
The substrates must be dry and dust free. Use an air blower to avoid fluffs from fabrics or other sources. Remove the safeguards and handle the sheets with some cotton gloves to avoid finger marks



**Hygiene and safety**

Although the products selected for the formulation are not dangerous as such, contact can cause allergic reactions in some particularly sensitive individuals. Ink soils on the skin should be cleaned as soon as possible with soapy water. In any case, refer directly to the safety sheets