

## Ink Technologies

- **Aspect**  
Very glossy
- **Applications**  
Glass, non-ferrous metals, aluminum, ceramic cleaned beforehand with IPA (isopropyl alcohol)
- **Major advantages**  
Bi-component ink allowing the marking and decorating of substrates considered difficult to be printed on.  
Very stable ink/hardener mixture, usable for up to 48 h (closed pot). Fast drying, great flexibility of the ink film
- **Printing**  
Automatic and semi-automatic machines

## SOLVENT INK

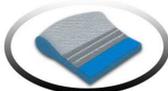


### TECHNICAL CHARACTERISTICS



**Screens**

Fabrics: all mesh types from 77 to 120 threads/cm.  
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**

At the time of use, add 10% in weight of the TG291 hardener (Glassbond Improver) to the ink then carefully close the vial. Once the mixture completed, it can be exclusively diluted with the TG201 thinner or the TG203 retardant or a mix of both depending on the pace of production.  
If the ink tends to dry inside the screen, only use the TG203 retardant or the 77.23G retardant gel in case of fine prints



**Cleaning**

Cleaning with the solvent 77BIO, 77NETX2 or X3 is recommended  
77NETX2 ou X3



**Packaging**

TGLASS 1 kg



**Storage**

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



**Adhesion / resistance**

In ambient air, the final hardening allowing the adhesion test is obtained after 8 days. After drying in the tunnel a rise in temperature will immediately result in thorough hardening. Estimates: 5 to 10 min at 180°C or 25 min at 120°C. A yellowing of the white shade TG103 can be noticed if its polymerization lasts more than 10 min at a temperature higher than 120 °C.  
The very flexible ink film can be bent. TGLASS inks are waterproof (soaking and washing in washing machine) but are also resistant to cosmetic products and standard detergents. The best resistances are obtained after cooking the ink film



**Drying**

It is only after printing and its drying by solvent evaporation that the chemical reaction between the 2 components starts. Stacking is possible straight away without affecting the thorough hardening.  
In ambient air the print substrates can be handled after 10 to 15 min and will be thoroughly dry in 48 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



**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

### Guarantee reserves

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