

# Properties of Overprint Varnishes

## Summary

Family	Offset Varnishes	Acrylic Varnishes	
Characteristics	Conventional	Solvent based	Water based
Brancher Products	ISOGLISS	ENCRILAC	OVERFIX
Application method	Ink duct	Ink duct dry offset	Varnishing machine Varnishing unit
Gluing constraints	Reserves	No reserves	No reserves
Drying time	24h	6h	Several minutes
Gloss	++	+++	++
Resistance	++	++	+++
Yellowing	Moderate	None	None

# Isogliss Varnishes

Conventional Offset varnishes



## Performances

- Prints mechanical protection
- Customized finishes

## Substrates

Non coated	*
Matt coated	***
Gloss coated	***
Lightweight paper	*
Cardboard	***
Non absorbent substrates <sup>(1)</sup>	*
Synthetic substrates <sup>(2)</sup>	*

\*\*\* Perfectly suitable,

\*\* Suitable,

\* Test necessary

▲ Not suitable

(1) Non absorbent substrates (tracing paper, coated chromo colour)

(2) Synthetics (PE, PP, PET, PVC)

## Isogliss Varnishes\*

Characteristics

### High performance Varnishes

Isogliss Anti-abrasion	Good mechanical resistance
Isogliss Non Slip	Non slip. Suitable for hot stamping and lamination. Very high gloss
Isogliss Anti-adhesive	Very high slip. May be used with scratch removable inks
Isogliss Natura	Gloss. Low odour for foodstuff packaging (Robinson Test <1)

### Effect Varnishes

Isogliss Brilliance 3000	High Gloss. Good mechanical resistance
Isogliss Pearl	Satin effect
Isogliss Natura Matt	Matt effect. Low odour for foodstuff packaging (Robinson Test <1)

\* All of these references exist for rotary presses equipped with dryers: see RS range.

## Packaging

1 kg Tins, 2.5 kg Tins, 10 kg Canisters

## Recommendations

- Offset application with or without fountain solution from the ink duct.
- Varnishes compatible with alcohol containing and alcohol free fountain solutions.
- May be used for solid prints or with reserves for gluing areas for example.
- May be applied wet-on-wet or wet-on-dry.
- To accelerate drying, use Colourless Drying Agent in the varnish (1 % maximum).
- Isogliss Anti-abrasion, Natura, Matt Natura and Gloss 3000 are suitable for freezing applications.
- Isogliss Natura and Matt Natura:
  - These varnishes comply with foodstuff packaging printing regulations. (see article "Inks for foodstuff packaging" page 123).
  - Use with the Natura inks series.
  - Use only Natura auxiliary products (thinner, cleaner).
  - Not suitable for direct varnish - foodstuff contact (see article "Inks for foodstuff packaging" page 123).
- Isogliss Non Slip Varnish can be used as an adhesive primer varnish before laminating or wet-on-dry varnishing: do not use anti set-off powder.
  - Using Isogliss Anti-adhesive Varnish for scratch removable inks:
    - Use coated paper.
    - Do not use anti set-off powder.
    - Not suitable for hot stamping.
    - Allow to dry for at least 48h before printing the mask.
- Varnishes compatible with infrared (IR) drying: maximum stack temperature: 35°C on top and 30°C on reverse side.

