

# HIGH GLOSS OVER PRINT INK

## Description:

High Gloss is an oil-based overprint varnish for application with a regular offset printing unit without any special technical features.

## Range of Application:

- It is suitable for printing on absorbent substrates.
- Its very quick setting and short oxidative drying characteristic allows for reduced waiting time before the print sheets can be further processed (converted).
- It can be used for spot application, engaging the dampening system and a regular offset plate.
- It can also be printed at full coverage without dampening.
- Due to its quick setting characteristics, the product needs to be tested if intended for use in inline-perfecting mode.

## Properties:

- Maximum gloss
- Fast oxidative drying
- Quick setting
- Good pile behaviour
- Good rub resistance
- Little tendency to yellowing
- Cofree



## Strengths of Print Varnishes:

- They guarantee spot varnishing true to register, for a budget price, without demanding special press equipment.
- It is possible to coat light-weight papers with the substrate remaining dimensionally stable, due to the lowered water impact compared to water-based coatings.
- Oil-based varnishes are similar to offset printing inks, allowing them to be handled in the same way (including roller washes).
- Inks underneath do not need to possess particular fastnesses (like resistance to nitro or alkalis).

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## Additional Information:

- **Contact Yellowing:** Contact yellowing cannot be completely excluded when using print varnishes. This is due to volatile fission products that arise during the drying process, which may deposit in the paper coating and chemically react with its constituents. It is recommended to use papers you know or have tested, as some coated papers are more sensitive than others.
- **Drying Time:** Print varnishes are comparatively slow-drying compared to water-based and UV coatings. The oxidative drying mechanism, which produces stable coating films, can take several hours or even days, depending on drying conditions.
  - Drying can be accelerated by using IR radiators.
  - Pile temperatures above 35°C must always be avoided to prevent the risk of blocking.
  - The use of duct-fresh (stay-open) inks in pre-printing can delay the varnish drying, especially on papers with low absorption capacity.
- **Food Packaging:** Standard print varnishes are **not suitable** for finishing food packaging. Fission products necessarily formed during the oxidative drying process can affect the smell and taste of the contents, which prohibits their use.

## Printing Auxiliaries:

- The specified print varnish is ready for printing and can normally be used without additives.
- If adaptation to special printing conditions is necessary, the auxiliary compatible with the vehicle system is:

## Classification:

- A Safety data sheet is available on request.