

PRINTLAC®

PRINTLAC® high gloss

10 L 9560

PRINTLAC® high gloss 10L9560 is an oil-based overprint varnish for being applied with a regular offset printing unit without any special technical features.

Range of application

PRINTLAC® high gloss 10L9560 is suitable for printing on absorbent substrates. Thanks to its very quick setting and short oxidative drying characteristic, this product allows reduced waiting time before the print sheets can be further processed (converted). This overprint varnish can be used for spot application, engaging the dampening system and a regular offset plate, or it can be printed at full coverage without dampening.

Due to its quick setting characteristics, the product needs to be tested if it is intended to be used in inline-perfecting mode. The varying processing parameters, strongly influenced by the substrate used, make it impossible to approve suitability without testing under given conditions.

This overprint varnish contains mineral oil and is not recommended to be used in packaging printing.

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, because of the lowered water impact compared to water-based coatings
- Oil-based varnishes are so similar to offset printing inks, that they can be handled in the same way (including roller washes). Thanks to this fact, inks underneath don't need to possess particular fastnesses (for example resistance to nitro or alkalis)

Additional information

When using print varnishes, contact yellowing can't be completely excluded. This is due to volatile fission products arising during the drying process, which may deposit in the paper coating and lead to a chemical reaction with constituents of the paper coating. Despite all efforts to prevent the yellowing by a suitable ink formula, some coated papers tend to be more sensitive than others. Therefore we recommend using papers you know or you have tested. (See INKFORMATION 4 for test methods)

In contrast with water-based coatings and UV coating, print varnishes are comparatively slow-drying. The mechanism of oxidative drying, which produces stable coating films in print varnishes as a result of the cross-linking of fatty acid chains, can occupy several hours or even days, depending on the drying conditions. Drying can be accelerated by the use of IR radiators. However, pile temperatures of more than 35 °C must always be avoided as there is a risk of blocking. The use of duct-fresh (stay-open) inks in pre-printing can result in delaying the varnish to dry, especially on papers with low absorption capacity.

Standard print varnishes are not suitable for finishing food packaging. The fission products necessarily formed as part of 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 the help of additives. However, under exceptional circumstances it may become necessary to adapt the varnish to special printing conditions. The auxiliaries mentioned below are compatible with the highly developed vehicle system:

- for reducing tack with substrates that are susceptible to picking **Ink Oil 10T1405**

Classification

Safety data sheet available on request.