PRINTLAC®

PRINTLAC® matt

10 L 9320

PRINTLAC matt 10L9320 is an oil-based overprint varnish for being applied with a regular offset printing unit without any special technical features.

Range of application

PRINTLAC matt 10L9320 is suitable for printing on absorbent substrates. It is suitable for wet-on-wet printing, but it is particularly recommended for varnishing in a second pass, because greater volume can be transferred to the dry printing ink surface and consequently a better matt effect can be obtained. 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.

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

Properties

- Very good matt effect
- Fast oxidative drying
- Fast setting
- Very good pile behaviour
- Good abrasion resistance
- Little tendency to yellowing

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.

Prints finished with matt varnish are very susceptible to developing glossy spots if touched.

Printing additives

The specified print varnishes are ready tor printing and can normally be used without the help of additives. If in exceptional cases it is necessary to reduce the tack for papers that are particularly susceptible to picking, **Linseed Oil/Printing Oil 1405** should be used.

Labelling

Safety data sheet available on request.

How supplied

Standard container 2.5 kg
Special sizes on request.