

PRINTLAC® Matt satin 10 L 9100

Application

PRINTLAC® Matt Satin 10 L 9100 is a quick-setting, particularly good-drying and abrasion-resistant type of print varnish, imparting neither a gloss enhancement nor a matting effect to the printed surface but keeping its appearance more or less unchanged.

It is advantageous to use this varnish especially for prints on matt-coated stocks to prevent scuffing and carboning effects.

The varnish can be used either with or without fount solution.

PRINTLAC® matt satin 10 L 9100 is particularly suitable for wet-on-wet application, but it can also be used for wet-on-dry application.

Contact yellowing cannot be completely ruled out when printing varnishes are used. This is caused by volatile, yellowish coloured decomposition products being formed during oxidative drying; these products can be deposited in the paper coating or even react chemically with constituents of the coating.

By conducting extensive development work, however, we have succeeded in greatly reducing the level of unfortunately unavoidable yellowing and in producing print results that are as good as free of yellowing considering an oil-based varnishing system has been used.

Special properties

- Silky surface gloss.
- Quick oxidative drying.
- Fast setting.
- Very good pile behaviour.
- Very good abrasion resistance.
- Little tendency to yellowing.
- Particular feel.
- Suitable for perfecting.

Advantages of print varnishes over other coating systems

In the field of package printing, print varnishes have now largely been replaced by alternative coating systems, e.g. by dispersion coatings. In other areas, however, the use of print varnishes is still essential.

Some of the reasons for this:

- They guarantee spot varnishing true to register.
- It is possible to coat light-weight papers with the substrate remaining dimensionally stable.
- Oil-based varnishes can be seen as unpigmented offset printing inks. They are therefore handled in the same way, which includes the use of the same washing mediums. There is no requirement for the ink to possess particular fastness properties (e.g. resistance to solvents or alkalis).

Special remarks

Note should be taken of the following when using print varnishes:

In contrast with dispersion coatings and UV coatings, print varnishes are comparatively slowdrying. 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 inks in pre-printing that stay fresh can result in the delaying of varnish drying, 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 effect the smell and taste of the contents which prohibits their use.

Printing auxiliaries

The print varnish is ready for printing and can normally be used without the help of auxiliaries. If in exceptional cases it is necessary to reduce the tack for papers that are particularly susceptible to picking, **Thixoprint 10T0256** should be used.

Labelling

German Hazardous Substances Ordinance (GefStoffV): none

Safety data sheet available on request.

How supplied

2.5-kg standard container

Special sizes on request.

Contact addresses for advice and further information: www.hubergroup.de

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