

Cover White

for sheet-fed offset

Titanium dioxide, a white pigment available among other colouring agents, provides very great hiding power and a high degree of whiteness which is the reason why all types of cover white contain large amounts of this pigment. It is used in coloured printing inks for either giving them an opaque appearance or permitting to cover up backgrounds in direct printing. Depending on the background, one or two impressions may be necessary. Due to the limited film weight thickness transferred in offset printing, varying results in respect of the degree of whiteness are obtained on different backgrounds, e.g. black cardboard.

Label printing on aluminium-vaporized paper is a classical field of application for cover white. Areas that are wanted to have no metallic appearance can be covered up and show up as a pure white.

To obtain a good white shade in one printing pass an ink film thickness of 2.0–2.5 g/m² is required. Application from two plates produces still better results and smoother ink lay.

Tinted cover white (a slightly bluish tinge) will have an optically even whiter appearance, especially on aluminium-vaporized paper.

Consistency and tack are so adjusted that wet-on-wet printing as first ink down with other colours on top is possible. In exceptional cases it may be necessary to adjust the tack of downstream inks with **Paste Reducer** or **Linseed Printing Oil**.

Standard inks

Cover White, untinted 47 N 0240 for direct printing or intermixing

Cover White, tinted 47 N 0217 for direct printing on aluminium-vaporized substrates

Properties

- Great hiding power and very good degree of whiteness.
- The cover white variants are quick-drying and suitable for films and foils.
- Little tendency of piling outside the paper format.
- Good flow characteristics and no tendency of backing up in the ink duct.
- Long wash-up intervals before build-up in its own and downstream printing units occurs.
- Suitable for wet-on-wet printing with other inks to follow.

A changeover to printing cover white requires the ink rollers to be cleaned thoroughly (possibly ink up and scrape off cover white ink several times) to avoid dirtying.

Printing auxiliaries

Printing pastes or linseed printing oil.

Labelling

German Hazardous Substances Ordinance (GefStoffV): none

German Flammable Liquids Ordinance (VbF): none

Safety data sheet available on request.

How supplied

1.5-kg cover white in 1-kg vacuum tin (high density approx. 1.6 g/cm³)