

Special Tarpaulin Ink

Satin-glossy, high opaque, fast drying, weather resistant, rolling and injecting resistant

Field of Application

Substrates

For PVC tarpaulins and all similar substrates.

Since the print substrates mentioned may be different in their printability, even within an individual type, preliminary trials are essential to determine the suitability for the intended use.

Field of use

Maraplan PL is a mainly rolling and injecting resistant ink type used to print one colour or several colours on soft PVC tarpaulin substrates. If applied properly by means of rollers or by injecting, you will receive a good adhesion and elasticity. These properties allow to apply the ink by means of Moltoprene rollers, brushes or by injecting.

Although it is low viscous, Maraplan PL is ready to print and therefore suitable for decorative printing by means of screen printing.

Characteristics

Drying/Curing

Physically fast drying, dries at 20° C room temperature within 15 to 20 min. to be overrolled.

The times mentioned above vary according to the substrate, the ink film thickness, drying conditions and the auxiliaries used. After adequate drying time, we strongly recommend to use anti-block-powder as separating agent.

Fading resistance

We are using pigments of excellent fading resistance for our Maraplan PL ink type.

Semi-transparent shades mixed by other shades may have a reduced fading resistance, especially by mixing white to the shades, depending on their mixing ratio.

The pigments used are resistant to plasticizers and solvents.

Stress resistance

After proper and thorough drying, the ink film has a good opacity, its surface has an outstanding resistance and is weather resistant. Please avoid, after having applied the ink, to expose the Maraplan PL to pressure (do not stack) and/or higher temperatures.



Marabu

Maraplan PL

For soft PVC tarpaulin substrates

Range

Shades

Compare Shade Card "Maraplan PL"

PL 021 Medium Yellow	PL 055 Ultramarine Blue
PL 022 Yellow Orange	PL 058 Deep Blue
PL 026 Light Yellow	PL 067 Grass Green
PL 033 Magenta	PL 068 Brilliant Green
PL 035 Bright Red	PL 070 White
PL 036 Vermilion	PL 073 Black
PL 045 Dark Brown	

All shades are intermiscible. The ink must not be mixed with other types of ink to maintain the special characteristics of this outstanding ink range.

By using these 13 basic shades in accordance with the mixing ratios given in the Marabu-mix colour matching system, it is possible to produce all shades of the ink systems Marabu system 21 and RAL.

This ink type is included in our computerized colour matching system Marabu-mix.

In addition to these standard shades, the following shades are available:

PL 170	Opaque White
PL 191	Silver
PL 193	Rich Gold

Auxiliaries

Thinner:	PLV
Jet Thinner:	7037
Cleaner for tarpaulins:	PLR
Anti-block-powder:	ABP
Cleaner:	UR 3

To adjust the printing viscosity for rolling the ink, it is generally sufficient to add 20 % thinner PLV to the ink.

For jetting the ink, please use Jet Thinner 7037.

Attention:

Please stir carefully before using this ink, which is ready to print for most applications.

Please remove any dust, grease or oil before the ink is applied. Our cleaner PLR for tarpaulins is a very good auxiliary to pre-clean the substrate. The cleaned surface must dry sufficiently before applying the ink.



Marabu

Please spread anti-block-powder thinly on the ink film after the ink is applied and after an adequate drying time. Thus the danger that the inks stick together is very reduced, when the tarpaulins are folded or put one on top of the other.

Please use solvent-resistant stencil foils.

Labelling

For our ink type Maraplan PL and its additives and auxiliaries, there are current Material Safety Data Sheets according to EC-regulation 91/155, covering in detail all relevant safety data including the labelling according to the present EC regulations as to health and safety labelling requirements. Such health and safety data may also be obtained from the respective label.

The ink has a flash point of above 21° C. Since the ink is not considered as a flammable liquid due to its pastous nature, any specific regulations for the handling of flammable liquids do not apply for the ink.

Recommendation

To protect the ink in opened containers against excessive drying, it can be carefully covered with a layer of thinner which is later stirred into the ink prior to rolling or jetting.

Note

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific application is exclusively your responsibility.

Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilised by you with respect to any and all damages not caused intentionally or by gross negligence.