

Special Tarpaulin Ink for soft PVC tarpaulin substrates

Satin gloss, high opacity, fast drying, weather resistant, rollable, and sprayable

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Field of Application

Maraplan PL is suited for soft PVC tarpaulin materials and similar substrates.

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

Field of use

Maraplan PL is a rollable or sprayable ink type for single or multi-colour decorations on soft PVC tarpaulin.

Good adhesion and elasticity will be achieved if the ink film is applied properly. Thanks to these properties the ink can be applied with Moltopren rollers, brushes or by spraying. Despite its low viscosity, Maraplan PL is also press-ready for screen printing.

Characteristics

Drying

Physically fast drying; after approx. 15 – 20 min drying at 20° C ambient temperature, the next ink layer can be applied. 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.

Fade resistance

Pigments of good fade resistance are used for the Maraplan PL range.

Dependant upon the mixing ratio, shades mixed with white will most likely show a

reduced fade resistance and weather resistance. The pigments used are resistant to plasticizers and solvents.

Stress resistance

After proper and thorough drying, the ink film exhibits outstanding surface stability and weather resistance. During drying, please do not expose Maraplan PL prints to pressure (do not stack), and/or higher temperatures.

Range

Basic Shades

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

Further Colour Shades

170 Opaque White

Bronzes, press-ready

191 Silver
193 Rich Gold

All shades are intermixable. Mixing with other ink types or auxiliaries must be avoided in order to maintain the special characteristics of this outstanding ink range.

All basic shades are included in our Marabu-ColorFormulator (MCF). They build the basis for the calculation of individual colour matching formulas, as well as for shades of the common colour reference systems HKS®, PANTONE®, and RAL®. All formulas are stored in the Marabu-Color Manager software.

Maraplan PL



Auxiliaries

Thinner:	PLV
Spray Thinner :	7037
Tarpaulin Cleaner:	PLR
Anti Block Agent :	ABP

In order to adjust the viscosity to a rollable level, we recommend to add up to 20% thinner PLV.

Spray thinner 7037 is to be used for adjusting the ink for spraying.

The substrate surface must be absolutely free of contaminating residues such as grease, oil, and finger sweat. Cleaner PLR is suited to prepare the substrate surface accordingly. Please let the cleaned surface dry completely before proceeding.

After allowing the print to dry, a thin layer of Anti Block Agent ABP can significantly reduce the risk of prints sticking together if they are stacked and/or folded.

Cleaning

For manual cleaning of screen printing stencils and tools our cleaner UR 3 (flash point 42° C) or UR 4 (flash point 52°C) can be used.

Fabrics, stencils

All types of commercially available polyester and nylon fabrics and solvent-resistant stencils can be used.

Labelling

For Maraplan PL and its auxiliaries, there are current Material Safety Data Sheets available according to EC regulation 1907/2006, informing in detail about all relevant safety data including labelling according to the

present EEC regulations as to health and safety labelling requirements. Such health and safety data may also be derived from the respective label. The ink has a flash point between 21° C and 55 °C.

Recommendation

Maraplan PL must be stirred homogeneously before printing.

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

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, they shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.