

# How to use and handle OELLERKING high quality tarpaulins

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## ***About OELLERKING high quality tarpaulins***

Tarpaulins by OELLERKING are made of high quality cloth. This is the basic for a reliable and long-lasting life during application. However, while in use, some aspects need to be respected for maintaining a well-functioning tarp in a good visual appearance.

The cloth used for the manufacture of the tarpaulin is a technical textile. This basic material has a core of fabric made with polyester (PES) yarn. The fabric is coated on both sides with layers of solid colored PVC coating. Both sides are equipped with a top layer.

The clothes' colors are linked either to customers' wishes or the producers' color range. A widely used color system is the so-called RAL System. This defines colors for metallic surfaces. Thus, small deviations in the optical impression of the cloth are possible, due to the textile character of the cloth and its textured surface.

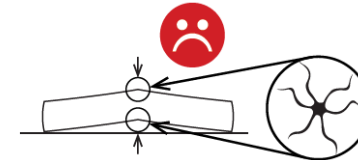
As a result, the coated technical textiles used für OELLERKING tarpaulins have RAL like colors. This applies also to colors which might be based on customers' wishes like e.g. those of the Pantone color system as well as on other color systems.

## How to work with OELLERKING tarpaulins - Storage

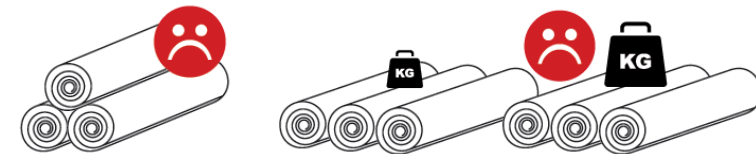
The tarp's storage is best if furled.



Do not fold or buckle the tarp. Sharp folds or crinkles can result in cracks or damages.



Do not stack tarps during storage. Do not put additional weight load on top. Even a small weight load can result in long lasting pressure marks or crinkles.



Keeping the tarp within its transport packaging (e.g. transport bag) protects it from contamination during storage.

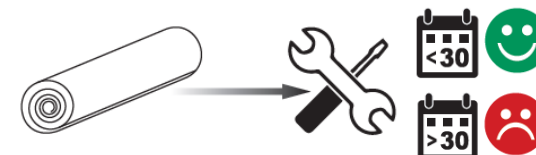
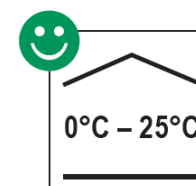


## How to work with OELLERKING tarpaulins - Storage

Avoid the influence of external weather conditions, such as direct sunlight, sun radiation, rain, freezing conditions and snow.

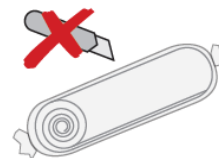
Store the tarp in a well vented place. Storage temperature 0°C - 25°C.

Mount the tarps within 4 weeks after delivery. A longer storage time might affect the tarp's optical impression.



## How to work with OELLERKING tarpaulins – Unwrapping and Mounting

Do NOT use sharp knives or cutters to unpack the tarp from its transport bag to avoid cuts.



Handle the tarps carefully. Do not pull or shove it on the floor. Throwing or tossing might lead to chafe marks in the lettering or the tarp's coating and / or fabric itself. Also avoid to pull the tarp along fixed installations, walls or machine parts. Top move the tarps in a cover helps to avoid damages.



Mount the tarps while they hang loosely and only use suitable tools. The usage of clamping devices can result in damages, too.

## ***How to work with OELLERKING tarpaulins – Usage and Cleaning***

Store, transport and mount the tarps in an appropriate manner to avoid crinkles, folds and marks (see also pages 4, 5 and 6). Also avoid pulling it over edges of buildings and trailers.

The lettering and the cloth itself is – like all synthetic material for daily use – exposed to weathering and ageing. This might lead to changes in optical / color impression as well as microscopic cracks in both lettering and the cloth's coating.

During the article's warranty period, OELLERKING company guarantees color constancy of the tarp's lettering. This does not include alterations based on damages as a consequence of inappropriate handling or mechanical exposure.

In case the tarp is mounted on a vehicle, keep the tarp's parts strapped while it is moving. If loose parts (like unleashed straps, buckles or ropes) strike the tarp, they can damage the lettering oder the tarp itself.

Tarps on vehicles are especially exposed to pollution, due to constantly changing surrounding conditions. Frequent cleaning prevents the tarps from tenacious staining.

All OELLERKING tarps can be cleaned in a suitable car wash.

If cleaned manually, usage of a mild basic cleaning agent and a soft brush or sponge is recommended. Avoid usage of a high pressure cleaner directly on the tarp.

## ***How lettering is done***

Tarps can be lettered for adverts or other reasons. Tarps made by OELLERKING are lettered by using different techniques:

### ***Lettering with paint***

Paint colors are mostly used in case the letters are large and / or the advert consists of only a few colors. The paint is applied either manually (by using a roller) or by screen printing. Depending on the opacity of the paint, it is applied in one or in several layers.

### ***Usage of ultraviolet (UV) based printing technology for lettering***

UV based print is preferred in case the lettering contains a lot of mixed colors and / or color transitions. It is also used as an alternative method to paint based lettering. A print machine is used for the color application. The ink used in this process reacts to UV radiation and is cured under UV light. For this process, the printing machine contains a curing unit. The ink for the UV based printing technology is solvent free.

### ***Lettering with SolidSkin***

SolidSkin is a high quality way of lettering. At first, solvent ink is applied with digital printing technology. Afterwards, a PU based coating is applied as top coat. This lettering technology features a brilliant optical impression, low soiling behaviour, high color constancy and longevity.

### ***Lettering on film***

Besides the tarps printing can also be done on lettering film. For this, digital printing technology with latex ink is used. Curing takes place in the printing machine by using thermal energy.



## ***Additional remarks on paint based lettering***

The lettering is done by using solvent based paints specifically used for tarpaulins. Depending on the colors of the tarp and the paint color, several color layers can be applied to reach the necessary coverage.

At the time of delivery the applied paints still can contain residues of the formulation's solvents. To avoid sticking of the lettering, delivered tarps should be stored free from weight loads and be mounted as soon as possible. This applies especially during the warm half of the year (May to September).

The lettering is provided with a layer of wax as a conditioner to avoid scratches during confection. At the time of delivery, residues of the wax might be found on the tarp. They can be removed with a dry and soft cloth or in a car wash.

## ***Additional remarks on UV based printing***

The lettering is applied by means of a digital printing process. The ink used in this process reacts to UV radiation. It is cured by running through an UV unit within the printing machine. The ink is free from solvents.

The layer composition of lettered areas is as follows: PVC coating and top coat of the tarp, the lettering's base layer (a layer of white coating which is placed on all colored tarps) and, finally, the layer of colored ink.

Slight changes in the lettering's optical impression are possible. This may vary depending on the production lot, the cloth used for confection, the ink used in the printing process and the printing machine. They also may vary from the products of other tarp producers.

## ***Additional remarks on SolidSkin based lettering***

Tarps used for SolidSkin based lettering are usually equipped with a grey layer on the tarp's backside. The shaded background improves the optical and color impression on the frontside. In case the grey layer is damaged (by e.g. mechanical based abrasion), the contrast of dark and light areas might lead to the impression that there is a pinhole in the tarp.

Due to the applied PU coating, tarps with SolidSkin based lettering can be welded only on the backside.