



## OMEGA-SKINZ™ OS-500 WHITE WONDER -3D Formable Wrapping Film

- printable white gloss cast film
- repositionable pigmented adhesive with invisible air channels

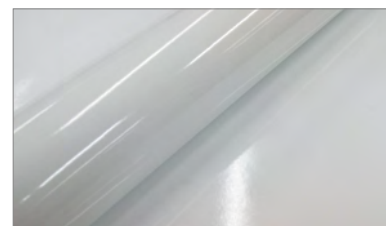
Roll width: 152,5 cm  
Roll length: 25 m

OMEGA-SKINZ™ OS-500 WHITE WONDER printable wrap series is a high-quality white gloss cast PVC film. Specially developed for creative artists and designers who want to make stunning printed wraps. When printed wraps literally have to follow all shapes, contours, bends and trenches without problems afterwards, then OS-500 WHITE WONDER is the absolute solution. This particularly soft and elastic cast film is unique in the field of deformation and assembly. The micro-air channels are not visible at the face film after installation.

### MORE INFORMATION

OS-500 WHITE WONDER is unlimited to correct and install, again and again. Even if you have already pressed and stretched it. Simply heat it, take it off, correct, position, press it down, postheat and done.

This product combines speedy and trouble free film applications, thanks to the ICSTM air channel system, which allows air to be easily squeezed out during the application and the permanent repositionable adhesive that thanks to the low initial tack allows an easy repositioning during application. Thanks to the ICSTM air channel system, the pattern or structure of the channels are invisible before and after application. After application, all edges and stretches areas must be heat-set (post heated) at 100-105°C.



### INTERESTING & BENEFITS

- Printable with a variety of digital direct printing system like Solvent, Eco-solvent, Latex and UV.
- Printing characteristics: rich, deep colours, no white spots when stretched. Guaranteed to adhere on rivets, wavy structures and in channels\*.
- Invisible air channels in the adhesive surface. This ensures that the structure of the air channels is not visible after mounting. See below for mounting tips#.
- Light grey pigmented adhesive layer, so that colours remain opaque and the surface does not shine through, which might change the colour of the film.
- From application in channels to extreme wrapping.
- 3D formable cast film.
- Clean removal.
- Correctable/ repositionable.

### # SQUEEGEE & INSTALLATION TIPS

#### PREVENT AIR BUBBLES

OMEGA-SKINZ wrapping film has very small air channels. As a result, the installer must handle carefully and with the correct pressure. Incorrect pressure can cause small bubbles or streaks. But you can prevent this. Use the OMEGA-SKINZ Flaming Slicer squeegee and use the special velours buffer. Apply the film with the squeegee from the inside to the outside so to be sure all air in the channels will escape to the edges and not been trapped in the air channels. If you still have air bubbles, simply use air release tool if needed.

#### FOLLOW OUR SPECIAL OMEGA-SKINZ WRAP COURSES

Installation in deep channels is not simple. The best way to install is to use the STRETCHLESS technique. On our training courses we will teach you the best way to wrap with a 100% risk free result.

### FACE FILM

|                                |                       |
|--------------------------------|-----------------------|
| Type                           | Cast vinyl film       |
| Colour and Finish              | Gloss White           |
| Thickness                      | 50 µ -DIN 53370       |
| Dimensional Stability          | <0,25mm FINAT 14      |
| Elongation at break along      | 150 % min. -DIN 53455 |
| Elongation at break across     | 150 % min. -DIN 53455 |
| Outdoor durability (unprinted) | 10 years*             |

### ADHESIVE

Solvent based repositionable permanent grey adhesive, featuring low initial tack with high final adhesion value, good water resistance. Specially designed for wrapping objects with smooth surfaces.

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Reference:            | OS-ICS-21 solvent with invisible air channels |
| Type                  | Repositionable permanent, grey pigmented      |
| Min. Appl. Temp.      | +5°C - +40°C                                  |
| Service Temp.         | -15°C/+90°C                                   |
| Initial Tack          | 7 N -FINAT 9                                  |
| Tack after 20 minutes | >11 N/25mm -FINAT 1                           |
| Tack after 24 hrs     | >13 N/25mm -FINAT 1                           |

### LINER

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Type              | ICS™ pattern-double sided PE coated kraft paper |
| Colour and Finish | White Weight 135 g/m² ±10%                      |
| Thickness         | 175 micron ±10% -ISO 534                        |

\* May vary; depends on the area and zone. Please find more information on our 'Application Guidelines' sheet. We strongly recommend to join the OMEGA-SKINZ training course OVERLORD, to get the 100% warranty licence.

## OMEGA-SKINZ™ OS-500 WHITE WONDER -3D Formable Wrapping Film



Wrapped by Foliateure, Germany. Printed film: OS-500 White Wonder - Laminate: OS-510 Razor Blade

### CHECK OUT THESE PRINTABLES TOO:



OS-502 Silver Spirit



OS-501 Pearl of Wisdom

### RECOMMENDED PRINTER SETTINGS

When (eco) solvent is used, the temperature settings of the printer are extremely important. We recommend a pre-heat temperature between 35°C and 45°C. This temperature can be increased, as long as the material remains flat. A too high temperature can result in a bad print result. Set the after-heater (dryer) so that its temperature is 5°C to 10°C higher than the pre-heat temperature. In both cases the rule is: set the temperature as high as possible without making the material wobble.

### INK QUANTITY

Large amounts of (eco)solvent ink on the material can activate the back printing ink. If the material is rolled up too quickly (i.e. not dried enough), ghosting can occur. This means that the back print becomes visible in the print.

### FILM COLOUR

Although there is little colour difference in the production of our films, we recommend to combine only films with the same batch number. Then you can be sure that the colour is the same. The batch number can be found on the backing paper.

### DRYING TIMES & LAMINATING

Not allowing a print to dry properly can lead to major problems, such as loosening, delaminating, etc. Make sure that the ink is allowed to 'air' during the drying process. For standard prints, a drying time of 48 hours is necessary. For prints with a large amount of ink, a drying time of 72 is a must. Laminate cold, i.e. at a roller temperature of 30 degrees maximum. Make sure that there is no high tensile stress in the laminate during lamination, otherwise the laminate will be stretched on the print and will cause curling edges, delamination and film release in kinks.

### PRINT QUALITY AND RESULT

The quality and end result of the print and wrap are not only dependent on the film itself. Since factors such as printer type, ink quality, printing software, ICC profile, environmental temperature, drying time, humidity,

etc. contribute to this, we cannot guaranty or be held responsible for the final quality. Please note that non-vertical applications can reduce the service life by 50%.

### SUBSTRATE PREPARATION

All surfaces to which the material will be applied must be thoroughly cleaned with OMEGA-SKINZ cleaners. Go to [omega-skinz.com](http://omega-skinz.com) for all our recommended tools and liquids for a perfect installation. Ensure all traces of any contamination and cleaning agents are totally removed prior to application of the material.

Self-adhesive films should only be applied to OEM painted surfaces and their use on repaired or damaged paintwork is not recommended. The compatibility of lacquers and paints should be tested by the user prior to the application. Please refer to our Application Guidelines for specific technical details for the correct application and removal of the media.

### MAINTENANCE & CLEANING:

Recommended a manual washing with non abrasive cleaner. Use SOTT Cleaners. Suggested the use mild soap and sponge, avoid to hit the edge to avoid edge lifting.

**REMOVAL:** To remove the film, heat the film to between 60 and 80 degrees Celsius, and then peel it off easily. If you do this at a lower temperature, some glue residue may remain on the substrate. This is easily solved with OMEGA-SKINZ Adhesive remover.

### SHELF LIFE

24 months, applicable only to the material delivered by SOTT which has not undergone further processing, under the following STORAGE CONDITIONS: This material must be stored at a temperature of 22°C ± 2°C and 50 ± 5% of Relative Humidity. Storage area must be dry and clean. Keep the material in the original packaging when not used in order to protect it from dust and contamination. Do not expose to direct sunlight or heat source.

### CONDITIONS OF SALE

The following is made in lieu of all warranties expressed or implied:

The information mentioned in this product data sheet is based upon tests that were executed by Grafityp and SOTT, and which we consider to be reliable. The information always represents an average, a minimum or a maximum value and should be considered as such. They are for informational purposes only and do not provide any warranty. It is up to the user to decide whether the product is suitable for his specific application. The outdoor life expectancy applies to outdoor use under Central European conditions and with vertical application. Non-vertical applications can reduce service life by 50%. The life expectancy of our films is based on professional application on a dry, grease-free and suitable surface. Tropical conditions or use in close proximity to chemical emissions may adversely affect the service life. The lifespan can also be different depending on the colour (due to pigmentation). More information about this in our warranty certificates. OMEGA-SKINZ wrapping films may only be applied to an undamaged, original layer of lacquer. Grafityp cannot be held liable for damage during application or removal, if the films are used on a non-original or afterwards applied lacquer layer. Subject to change.