OMEGA SKINZ

a product of: GrafiWrap SOTT

OMEGA-SKINZ™ SX wrap series -3D Formable Flexible Wrap Vinyl

multilayered cast - repositionable adhesive with invisible air channels

UM WARP-6 ADVANCED CARWRAP ADHESIVE

Roll width: 152,5 cm
Roll length: 20 m

OMEGA-SKINZ™ SX Wrap Series is the new generation of the already legendary high-quality cast PVC wrapping film. This soft and highly flexible PVC film offers a range of unique features, as described below. One of its greatest strengths is its realistic color depth, comparable to that of premium automotive paint finishes.

The SX designation indicates that the film features a newly developed adhesive technology, making installation exceptionally easy. Slide, position and squeegee the film with complete control, without stress or hassle. In addition, the air release channels are completely invisible, eliminating any ghosting of the adhesive pattern on the surface of the film. OMEGA-SKINZ™ SX Wrap Series is highly conformable, making it the ideal choice for automotive, industrial and marine applications.

MORE INFORMATION

Long-term high performance CAST film with outstanding dimensional stability and good conformability for applications onto flat surfaces and moderate curves, with or without rivets designed for full and partial vehicle wraps.

This product combines speedy and trouble free film application, thanks to the UM WARP-6™ 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 UM WARP-6™ air channel system, the pattern or stucture of the channels are invisible before and after application. After application, all edges and stretched areas must be heat-set(post heated) at 100 -105°C.

INTERESTING & BENEFITS

- 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#.
- Strong and stable film for problem-free mounting on large surfaces, such as yacht hulls and motor hoods. But the film softens like butter when heat is added.
- 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.
- Unique and realistic colour appearance, as if it were car paint.
- No "plastic film effect".
- Clean removal.
- Ideally applicable to cars, motorcycles, yachts, jet skis, frames, doors, cabinets, fascias, etc.

SQUEEGEE TIPS

1: PREVENT AIRBUBBLES

OMEGA-SKINZ SX 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 air bubbles or streaks. No worries. These will disappear. But you can prevent this. Use a medium hard squeegee and use a thin felt buffer. The best are: SOTT Velours 500-045 or the SOTT WrapEdge 500-037.

2: PREVENT SCRATCHES

SCRATCHES can occur in the glossy films if the wrong buffers are used. Many buffers are too hard or contain sharp tissues. Use the buffers mentioned above for this. If you certainly don't want any scratches: wet the SOTT WrapEdge 500-037 (this is made of natural Alcantara) with water and a little soap.

FACE FILM

Type	Cast vinyl film
Colour and Finish	Gloss, Matte, Metallic, Pearl and Satin
Weight	110 - 190 g/m² ±10% -ISO-536
Thickness	100-140 µ (4-5.2 mil) ±10% -DIN 53370
Shrinkage	<1 %
Tensile Strength along	14 N/mm²
Tensile Strength across	13 N/mm²
Elongation at break along	90 % min. # -DIN 53455
Elongation at break across	95 % min. # -DIN 53455
Outdoor vertical exposure durability*	up to 6 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:	UM WARP-6™ solvent with invisible air channels
Type	Repositionable permanent, grey pigmented
Min. Appl. Temp.	+10°C
Service Temp.	-20°C/+120°C
Shear	Very high
Initial Tack	>3.2 N/25mm FINAT FTM9
Final Adhesion	>17 N/25mm FINAT FTM2

LINER

Type	UM-SX™ pattern-double sided PE coated kraft paper	
Colour and Finish	White Weight 135 g/m² ±10%	
Thickness	150 micron ±10%	ISO 534
Transparency	n.a. %	DIN 53 147-64

** May vary; depends on colour and zone. Please find more information on our 'Application Guidelines' sheet.*

 # Depends on colour and construction. Textured films(OS-812, 820, 828, 829, 845) have a smaller elongation capacity.

***Please read our Product Guideline sheet.*

CONSTRUCTION

OMEGA-SKINZ™ SX wrapping film is constructed in a different way than many conventional films. OMEGA-SKINZ™ SX wrapping film consists of several layers (MLS) that absorb film tensions during extreme stretching and deformation.
The top layer consists of a transparent PVC film, which provides extra colour depth. OMEGA-SKINZ™ SX wrapping film is cast as a 2-pass or 3-pass system, ultimately turning the multiple layers into one homogeneous layer.
This provides a strong stable film during processing, which is extremely soft and flexible when heated with a heat gun or infrared lamp.
Both properties are ideal for both large surfaces and complex shapes such as bumpers, spoilers and door handles.

OMEGA-SKINZ™ wrapping film series

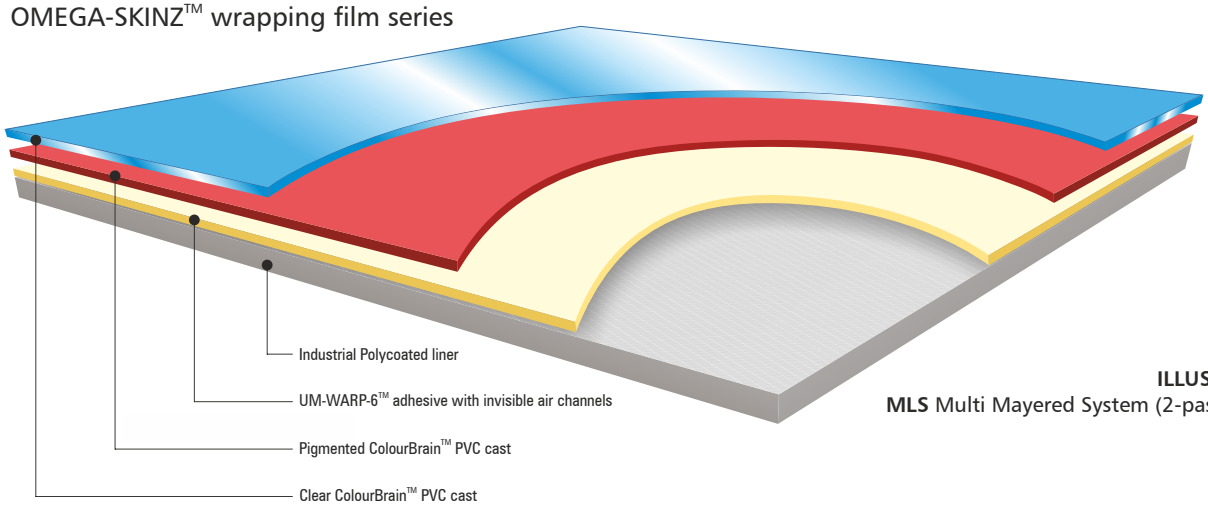


ILLUSTRATION:
MLS Multi Mayered System (2-pass casting)

IMPORTANT

Substrate Preparation: All surfaces to which the material will be applied must be thoroughly cleaned with SOTT SC-02 SurfaceCleaner. 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 spounge, avoid to hit the edge to avoid edge lifting.

SHELF LIFE

24 months, applicable only to the material delivered by SOTT/Grafityp 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 SX 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.