

# AUTO SE



The AUTO brand, exclusively from Spandex, is designed to cater for the ever-changing needs of professional wrappers, detailers and fleet applicators. The products are co-branded and have been developed in conjunction with leading manufacturers. Auto offers a range of special edition automotive colours, paint protection films, digital wrap bundles, automotive tint films and accessories. The AUTO SE range has been manufactured by Orafol exclusively for Spandex.

## PRODUCT DESCRIPTION

AUTO SE is a high performance cast PVC film, engineered to the highest technological standards. Designed for complete car wrapping applications, without the need for top lamination. It is available in motorsport inspired colours, with a high glossy or matt finish. The air-egress technology enables easy and quick application, without air inclusion, especially in large scale applications. Entrapped air can be easily removed by smoothing it out under the film. The special adhesive enables adhesion onto lacquered surfaces, as well as onto uneven and corrugated surfaces and rivets and corrugations. The applied material is easy to remove with the appropriate equipment. Car wrappers can also leverage Zeno, a subscription-based software tool from Spandex, to visualise high-quality, realistic full or partial wraps using the colours from the AUTO SE collection.

## APPLICATIONS & FEATURES

- High-performance cast PVC film
- 14 vivid customized colours
- Glossy and matt colours available
- Excellent dimensional stability and gloss retention
- Solvent based polyacrylate adhesive
- The air-egress technology allows fast and bubble-free application
- Repositionable with permanent final adhesion

## FILM

Multi-layered cast PVC film.

## ADHESIVE

Solvent polyacrylate, re-positionable, permanent, transparent.

## RELEASE LINER

Double sided PE coated air-egress paper, one side siliconised, 145 g/m<sup>2</sup>.

## PREPARATION GUIDELINE:

- The better the preparation the better the result
- Use conventional cleaning agents and cleaning clay
- No substances that form a coating or sealing layer by nanotechnology
- Remove all residues of preservative wax or polishing agents
- Finally, all surfaces must always be cleaned with Pre-Wrap Surface Cleaner
- Thoroughly dry the vehicle – especially under rubber seals

## Technical Data

Thickness <sup>(1)</sup>	110 micron (excl. adhesive).
Dimensional stability <sup>(1)</sup> (FINAT TM 14)	Adhered to steel, shrinkage 0,24 mm max.
Temperature resistance <sup>(2)</sup>	-40°C to +100°C, no variation
Resistance to solvents and chemicals <small>Immerse for 1 hour (water, acid), 30 Min (Pancreatine, tree gum), 10 Min (IPA,Gasoline, Motor oil), Check after 24h at RT</small>	At room temperature, 72h after adhesion to aluminium, shortterm resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Adhesive power <sup>(1)</sup> (FINAT TM 1, 180°, after 24h stainless steel)	16 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: min. 21 MPa Across: min. 21 MPa
Elongation at break (DIN EN ISO 527)	Along: min. 150% (metallic: 120%) Across: min. 150% (metallic: 120%)
Shelf life <sup>(3)</sup>	2 years
Application temperature	> +15° C
Available width	152.4 cm
Maximum service life by specialist application <small>Applies for vertical outdoor exposure <sup>(4)</sup></small>	3 years

(1) average (2) short-term exposure (3) in original packaging, at 20° C and 50% relative humidity (4) maximum service life when applied by a specialist, and with the proper maintenance and care. Vertical outdoor weathering and central European climate. The actual and expected service life is determined by the environmental conditions, as well as pre-treatment of the substrate and regular maintenance"

## APPLICATION GUIDELINE:

- Clean and dust free room, preferably with car lift or mounting ramp
- Make sure you thoroughly clean all areas
- Minimum temperature +15 °C rapid evaporation of residual moisture
- When using air-egress adhesive vinyl, applications require even more squeegee pressure to ensure the adhesive makes a firm bond.
- Adhesion builds up smoothly
- After application, the adhesive must be allowed to harden before going into service. The absolute minimum time would be 24 hours



## MAINTENANCE GUIDELINE:

- 3 days after application: cleaning in car wash is possible
- No high pressure cleaning recommended
- Contaminants such as bird droppings and tar that can cause fatal damage to the paint can also cause considerable damage to the Wrap film, so please remove them as soon as possible
- For Long-Lasting film properties we recommend to use regularly Cleaning and Care products

## POST-CARE & CLEANING INSTRUCTIONS:

Fleet graphics films can be easily cleaned using a pressure washer but can be damaged just as easily by improperly handling the water spray or incorrectly blending the cleaning solutions. Regular washing is highly recommended to avoid the necessity of deep cleaning and to prevent accumulating dirt. In order to keep the vinyl from degrading or lifting around the edges while pressure washing, it is important to adhere to the following guidelines:

1. Nozzle pressure should never exceed 1,300 PSI.
2. Water temperature should never exceed 140°F (60°C).
3. Nozzle tip should never be closer than five feet from the graphics.
4. Angle of water spray should be no shallower than 60° from perpendicular. Keep the nozzle spray pattern perpendicular to the overlapping direction.
5. Detergent solutions should always be blended with water at the correct ratio and pH (between 6 and 8). A more concentrated solution can damage both the adhesive and vinyl.
6. A post-washing, fresh-water rinse will help maintain the life of the paint and vinyl.

## IMPORTANT TO NOTE:

The information in this datasheet is based upon our present knowledge and practical experience. The information is given without any guarantee or agreement with regards to the quality or properties of the material. It does not constitute a warranty of any certain quality, properties and/or service life concerning the AUTO SE colour films. Please note that by nature films are more sensitive than lacquers. Therefore, films must be treated and maintained with the greatest care. For application of colour films (wrapping and removal) as well as for maintenance and use, please refer to our documents 'Processing Guidelines'. If our guidelines are not followed, please be advised that in particular the maximum service life information, stated as based on our experience, does not apply and any warranty and liability is excluded.

## APPLICATION TRAINING:

Training & education is the key to success a perfect installation. Spandex offers regular training for customers interested in application courses. Please contact your local Spandex for more information.

**NOTE:** Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. We also recommend to test compatibility on raw & primed MDO prior to installation due to variation in substrate properties. Furthermore, the application information published by AUTO must be considered.

**IMPORTANT NOTICE:** All AUTO products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning AUTO products is based upon research which the company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of AUTO products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

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