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## Technical Bulletin 1.0

### Mactac Liquids User Instruction

#### MACTAC CLEANER

The Mactac cleaner is designed for the preparation of various types of surfaces prior to self-adhesive products application. It effectively removes the most common residues (like dirt, wax, grease, etc.) and daily pollution from the substrate selected for self-adhesive products application.

The Mactac cleaner is tested and recommended for the degreasing of automotive painted steel panel and glass surface. For the degreasing of different substrates, it is recommended to first test the cleaner on an inconspicuous area of the application surface.

Store Mactac Cleaner under the recommended conditions, keeping the product at a Temperature of 20 °C ( $\pm 2$  °C) with 50 %RH ( $\pm 5$ %). If stored correctly and unopened, the shelf life of the product is 2 years. User assumes all risk and liability for the loss of performance, when the liquid is stored improperly by user.

Prior to use, please check all the relevant safety information on the product label and ensure to work in a well-lit and ventilated environment.

As the first step of the procedure, pre-clean the application surface with a solution of water and soap, using a microfiber cloth or clean towel.

After the application surface had completely dried, use the Mactac Cleaner for the last degreasing step before applying the vinyl product.

Spray the surface with the Mactac Cleaner and also on your microfiber cloth or towel. Wipe the whole application surface and pay specific attention to deeper corrugations, rivets and edges. Leave the surface to dry for approximately 30 seconds so that the residue cleaner can evaporate. Wipe the surface again using a clean cloth.

As final step, check the surface for any residual contamination/dirt. If the surface is still contaminated, repeat the cleaning procedure until the surface is fully prepared for application of self-adhesive products.

Please note that the Mactac Cleaner will not leave any residue on the application surface (when properly used) therefore not damaging the adhesive. Also, do not spray the Mactac cleaner directly onto the adhesive layer.

#### MACTAC APPLICATION FLUID

The Mactac Application Fluid is designed to support the wet application of various types of Mactac materials on glass surfaces.

Mactac Application Fluid has been tested for compatibility with the most common Mactac products for glass application. It is specifically recommended for use with Print Vinyl, JT5829, Macpoly, Glass Decor Series.

Store Mactac Application Fluid under the recommended conditions, keeping the product at a Temperature of 20 °C ( $\pm 2$  °C) with 50 %RH ( $\pm 5$ %). If stored correctly and unopened, the shelf life of the product is 2 years. User assumes all risk and liability for the loss of performance, when the liquid is stored improperly by user.

Prior to use, please check all the relevant safety information on the product label and ensure to work in a well-lit and ventilated environment.

Mactac Application Fluid does not require any mixing of components and is ready for use.

As first step of glass application, abundantly spray the glass surfaces with Mactac application fluid and ensure to wet the full application surface.

Then, remove the product liner to expose the adhesive side and spray the adhesive with Mactac Application Fluid. For a flawless application, ensure to wet the exposed adhesive side completely.

Position the material on the glass surfaces. If needed, reposition the product to adjust to final correct positioning. After that, spray the face of the product with Mactac Application fluid to ensure good sliding of the squeegee.

Apply firm pressure with the squeegee pushing out the application fluid to activate adhesion of the product on the glass. If needed, squeegee the same area repeatedly and firmly, in order to push out all the application fluid.

Throughout the whole application process, ensure to keep the face of the film wet while squeegeeing.

As final step of the application, firmly re-squeegee the graphics edges.



## **MACTAC REMOVER**

The Mactac Remover is a powerful solution designed to remove adhesive residue from substrates after self-adhesive products have been removed.

The Mactac Remover is tested and recommended for the removal of adhesive from automotive painted steel panel and glass surface. For application on different substrate, It is recommended to first test Mactac Remover on an inconspicuous area of the application surface.

Store Mactac Remover under the recommended conditions, keeping the product at a Temperature of 20 °C ( $\pm$  2 °C) with 50 %RH ( $\pm$  5%). If stored correctly and unopened, the shelf life of the product is 2 years. User assumes all risk and liability for the loss of performance, when the liquid is stored improperly by user.

Prior to use, please check all the relevant safety information on the product label and ensure to work in a well-lit and ventilated environment.

Spray the Mactac Remover onto any adhesive residue present on the surface. Leave the Mactac remover to react with residue for approximately one minute. The adhesive bond will get loosen and residue will soften up. Then, using the non-felt side of a squeegee, scrape off the adhesive residue from the surface. If more residue is present, please repeat the above steps until the substrate is completely clean.

Mactac remover is intended to be used only on adhesive residue, thus do not ever apply Mactac Remover directly on self-adhesive product (both front or adhesive side) as it can irreversibly damage the surface.

## **MACTAC SEALER**

Mactac Sealer is a colorless glossy edge sealer that adheres on different surfaces (Steel, Paint, Vinyl and Glass). The product is designed to seal off the edges in applications in marine environment or with high risk of chemical spillage. The use of Mactac Sealer is recommended to strengthen the adhesion of film and prevent edge lifting in these demanding applications. It can be used for a variety of Mactac graphics products and on different substrates. However, a pre-test on an inconspicuous area of the application surface is always recommended.

Store Mactac Sealer under the recommended conditions, keeping the product at a Temperature of 20 °C ( $\pm$  2 °C) with 50 %RH ( $\pm$  5%). If stored correctly and unopened, the shelf life of the product is 1 year. User assumes all risk and liability for the loss of performance, when the product is stored improperly by user.

Prior to use, please check all the relevant safety information on the product label and ensure to work in a well-lit and ventilated environment.

As the first step of the application procedure, ensure that the edges of the graphics are properly applied, dried and completely clean and free of contaminants.

Use a clean brush and apply Mactac Sealer directly from the can, without any dilution or thinner.

Apply a thin stripe of Mactac Sealer (approximately 2 cm) with a continuous movement along the total length of the graphics edge, ensuring to cover both the graphics and the substrate. Repeat the procedure on all the graphics edges that are at risk of water or chemical penetration.

As final application test, verify that the Mactac Sealer has been applied uniformly without gaps on all the graphics edges. If any gaps are present, repeat the application on the specific spot.

After application of the Mactac Sealer, dry the graphics for at least 24 hours.

For the removal of Mactac Sealer, it is recommended to use Mactac remover. Apply the Mactac Remover on the remaining Mactac Sealer and leave the Mactac remover to react with residue of sealer for approximately one minute. Then, using the non-felt side of a squeegee, scrape off the Mactac Sealer residue from the surface. If more residue is present, please repeat the above steps until the substrate is completely clean.

In case of questions on the content of this technical bulletin, please contact your local Mactac representative for further clarification.

### **DISCLAIMER**

*All Mactac statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Mactac products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Mactac's products are sold subject to Mactac's general terms and conditions of sale, see <http://terms.europe.averydennison.com>*

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Contact

Email: [contact.mactac@mactac.eu](mailto:contact.mactac@mactac.eu)

Website: [www.mactacgraphics.eu](http://www.mactacgraphics.eu)

