



## TWENTY WRAPS EXCLUSIVE COLOR SERIES

### **General Information**

Refer also to the Product Data Sheet of 20 WRAPS Exclusive Color Series for more specific details.

### **#1 Important Notice**

20 WRAPS Films are not intended for wet applications. Residual water reduces adhesion and can cause lifting after application.

### **Application of Liquid / Special / Frozen Chrome Series**

On adjacent car parts application of wrap films should be done in the same pattern direction of the roll in order to maintain the same appearance.

### **Light Colors**

Pre-stretching (e.g. for side mirror application) of light colored films might lead to slight color change.

### **#2 Important Notice**

Car Wrapping Films require high squeegee pressure to avoid air entrapment between film and substrate. Using a felt edge squeegee helps to avoid scratches on film surface during application.

### **Cleaning**

Cleaning the application surface properly is an important step for a good application result. Use our 20 WRAPS Surface Cleaner to ensure compatibility with our wrapping films. First step is a car wash (without hot wax) and thorough drying of the vehicle.

Use lint-free paper towels. Remaining car wax and polish must be completely removed. Edges and recesses must be properly cleaned. After cleaning make sure that the substrate, edges and seams are completely dry. Film adheres poorly even to a properly cleaned substrate if there is any remaining liquid on the substrate, edges or seams.

**Note:** Do not use isopropyl alcohol as this can affect the adhesion of the film.



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### **Inspect the film before starting**

Carefully inspect the film for visible defects before application. Please contact your retailer in the event that any defects are detected and do not use the film, as we cannot process claims of pre-application defects once the material has been processed in any way. Check the batch number of the film to ensure that only materials from the same batch are used together. Using other manufacturers products for the same application is not advisable, as it may negatively affect processing, aesthetics, performance or service life.

### **Application Temperature**

Minimum application temperature: +17°C (air and surface temperature)

Optimum application temperature: +19°C to +21°C

### **Application (General Procedure)**

Cut the wrapping film generously with a minimum distance of 10cm to the edge. For an easier application, remove a part of the liner. Apply the film to the vehicle part with big equal swipes using the 20 WRAPS Microfiber Squeegee to avoid scratches on film surface during application. Slowly work your way forward. At the corners and edges, the film must be cut to prevent lifting of the film.

20 WRAPS Films requires high squeegee pressure to avoid air entrapment between film and substrate.

Apply the film lengthwise from the center outwards with overlapping strokes and ensure that the squeegee is in constant contact with the film. Apply the film with your finger in concave parts where necessary and continue squeegeeing.

### **Adhesion Lines**

In certain situations, e.g. bridging of the film under tension, undesired effects as adhesion lines can occur. If the film is squeegeed under tension too close to the edge (up to 2 – 3 cm), snapped and re-squeegeed, adhesion lines may become visible which cannot be removed.



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### **Application Recommendation**

In bridging situations, stop applying the film at least 10 cm before the edge in order to reduce tension of the film. Then lift the film slightly and continue tension-free squeegeeing to the edge. It is recommended to do the application in one step without interruption. It is very important NOT to squeegee the film directly after heating. Let the film cool down for a few seconds after heating, then firmly squeegee without stretching the film. Stretching at the edges might cause shrinkage of the film and color fading.

### **Application on Recesses with Inlays**

The film is designed for application on flat and simply curved surfaces. On recesses and deep channels it is recommended to apply the film with inlays.

### **Finishing of Edges**

It is recommended to cut the edges of the film, wrap them and finally heat and wrap again to ensure good adhesion.

### **Post Heating**

In order to activate the adhesive and ensure durability, all corners and edges must be heat up to a temperature of above 100°C.

### **Application at Window Trim Gaskets**

Cut the film at an overlap of approx. 2 mm on the gasket and apply the film with the squeegee underneath the gasket. Partial wrinkling of the film may occur at window trim gaskets because of possible mechanical movements of the gasket resulting in stress on the film.

### **#3 Important Notice**

The wrapped vehicle should remain in the shop floor for at least 24 hours to allow the adhesive to build up adhesion on the car paint. Car wash should not be done before 7 days after wrapping.

### **Automated Car Washing and Pressure Washing**

Automated car washing may be used. Be aware that brush-type car washes may influence the visual appearance of the film. The use of hot wax is not recommended.



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### **Pressure washing may be used under these conditions:**

Ensure water pressure is kept below 80 bar.

Keep water temperature below +60 °C.

Keep the spray nozzle at least 30 cm away and perpendicular (at 90° +/- 30°) to the graphic.

### **Difficult Contaminants**

Difficult contaminations by bird droppings or tree sap should be removed immediately from the film surface with warm soapy water.

### **Removal**

Applied graphics can be removed with heat. It is recommended to remove the film after the respective shelf life has expired. See data sheet

### **#4 Important Notice**

This Instruction Information provides technical information only.

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

Before using, the user must determine the suitability of the product for its required or intended use, and the user assumes all risk and liability whatsoever in connection therewith. As outdoor graphics age, natural weathering occurs causing a gradual reduction in gloss, slight color changes, some lifting of the graphic at the edges or around rivets, and ultimately a minor amount of cracking.

These changes are not evidence of product failure and are not covered by a 20 WRAPS warranty.

### **Additional information**

Visit our website at [www.20WRAPS.com](http://www.20WRAPS.com) for getting:

- more details about 20 WRAPS warranty
- a complete product overview about materials 20 WRAPS is offering