



## TWENTY WRAPS EXCLUSIVE COLOR SERIES

High performance multilayered film, self-adhesive  
Liquid / Metallic / Frozen Chrome  
Data Sheet 03/04/2020

**Common Applications** Cars, Vans, Trucks, Trailers, Buses

**Unsuitable Uses** This product is not designed or recommended for the following uses:

Not thoroughly cured or dried paint  
Substrate surfaces that are not clean or smooth  
Painted substrates with poor paint-to-substrate, or paint-to-paint bond  
Film applied to pre-existing graphics  
Watercraft below the static water line  
Watercraft which are not edge sealed  
Non-OEM painted vehicles  
Wrapping Film exposed to oil, harsh chemical, or gasoline vapors or spills  
Application on Glass surfaces

### Physical Characteristics

**Thickness** 95µm - 150µm liquid, metallic, frozen chrome

**Adhesive** Removable acrylic, permanent, air release channels

**Liner** White silicone-coated paper with double sided polyethylene coating, 145g/m<sup>2</sup>

**Dimensional Stability** Shrinkage < 0,20%

**Chemical resistance** Resists to most mild acids, alkalis and salt solutions

**Breaking Strength** 25.4 N/10mm (Average) - Test Method: ASTM D3759/D3759M-05

**Durability** Reference durability charts in this data sheet. See next Page

**Shelf-Life** 2 years from date of manufacture when stored at the following temperatures and humidity conditions 15° - 23°C and 50±5% R. H.

**Suitable surfaces** Flat and curved surfaces

**Application Temperature** +17°C to +22°C

**In use Temperature** -50°C to + 65°C

**Post heating** > 100°C

**Application method** Dry only

### Application

Some slight color shift may occur between rolls or lots, therefore, minimizing the mixing of rolls/lots on a specific vehicle is encouraged. If multiple rolls are needed be sure to use only rolls from the same production lot.

All vehicle substrates must be cleaned according to our installation guide.

Due to the unique finish and manufacturing process of liquid, metallic and frozen chrome films, variances in color can be visible when the material is oriented in different directions. When utilizing these films, always keep the application direction of the film consistent with the orientation of the film when cut from the roll and applied to the vehicle. One roll should be used per vehicle, wherever possible to minimize any possible color shifts between rolls or lots.

**Important Note** Only use Twenty Wraps recommended cleaning products and solutions. Cleaning and maintenance products should conform to the following: Free from abrasive components, ideally pH balanced, thus not highly acidic or alkaline (pH level between 5 and 9), free from alcohols (non isopropyl), acids, ammonia, chlorine, glycol ethers, harmful detergents, petroleum distillates and Phosphates. Some of our colors may have stripes or shades depending on the viewing angle.

These stripes or shades can't be avoided due to production and do not constitute a reason for complaint.



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### Removability

The removability listed in the physical characteristics section “Clean removability” means removable with less than 20% adhesive residue when using appropriate heat and chemical removal methods. Twenty Wraps does not warrant removability from the following substrates:

Surfaces with poor paint-to-substrate adhesion

Pre existing graphics that must remain intact; damage to existing graphic when film is removed

Improperly cured paint

Oxidized or chalked substrates

Stainless Steel

Twenty Wraps makes no warranty for:

Paint/Clear Coat Staining: no warranty for vehicle paint staining that may be visible

after removing material which has cracked or discolored. At the first sign of a change in the surface of the material contact our Reseller.

Ease or speed of removal of any overposted graphic and consequence thereof

Removal from automotive paint that is greater than 3 years old

Removal from paint that is improperly cured

Removal from aged paint or metals, surface oxidation or chalking; user must test, approve and accept liability for such applications

### Durability

Durability is the period of time the product is expected to perform satisfactorily when applied in vertical exposure conditions by zone as defined, provided that the film is properly stored, converted and installed in accordance with Twenty Wraps Installation Guide. The term of Twenty Wraps warranty is equal to the product’s durability.

Abrasion and Loss of Gloss are not covered by any Twenty Wraps Warranty. These changes are considered normal wear and tear.

Other factors which may reduce the durability of this product series include: surface texture, surface preparation, application methods, angle and direction of sun, environmental conditions, cleaning & maintenance.

Products containing petroleum distillates or solvents such as, soaps, waxes, or protective coatings, void any warranty, and may cause premature failure of the material.

Matte finished materials are subject to extreme color and gloss shift when exposed to cleaners, wax, and polish. Test an inconspicuous area prior to using any cleaners, wax, and polish. The end user assumes complete responsibility to ensure that matte finishes are not affected during cleaning or protecting.

### Exclusive Color Series Durability

	Zone 1		Zone 2	
	Vertical	Non Vertical	Vertical	Non Vertical
<b>Liquid</b>	3 years	1 year	1.5 years	6 months
<b>Frozen Chrome</b>	3 years	1 year	1.5 years	6 months

Vertical: The face of the graphic is between 0° and 10° from vertical

Non Vertical: The face of the graphic is between 10° and 90° from vertical