

## 905 Water & Scratch-Resistant Bright-White 11 mil Vinyl

### Description

905 is a water- and scratch-resistant, bright-white, self-adhesive media. It is a calendared vinyl with a waterproof white opaque print surface and a unique permanent pressure-sensitive adhesive that sticks to virtually any surface. Excellent for short-term outdoor and long-term indoor mounted graphics.

### Physical Properties

Caliper - Vinyl	3.5 mil
- Release Liner	7.5 mil
- Adhesive	.5 mil
- Total Gauge	11 mil
Opacity	>90%
Whiteness	>120
Gloss (60-deg)	>5
Peel Strength	>7.0 ASTM D1000

### Features

- Dye and pigment ink compatible
- Wide-color gamut
- Excellent water-fastness with pigment inks
- Laminating is not necessary
- The pressure-sensitive back eliminates mounting tapes

### Applications

- Indoor and outdoor signage
- Banner
- It can also be used as wallpaper on latex paints (removal can cause damage, read instructions\*)

### Recommended Surfaces

This media can be applied to: stainless steel, aluminum, glass, ABS, polycarbonate, Plexiglas, automobile enamel and standard boards. It can also be used as wallpaper on latex paint, as long as the surface is clean and the paint is silicone-

free (you will only have one opportunity to apply the vinyl properly, as the adhesive will bring the paint and the wall with it upon removal)

This product works best on smooth, flat surfaces and should not be applied over corrugations or rivets. Textured surfaces and wood tend to promote poor adhesion. Always pretest your substrate prior to application.

### Surface Preparation

Always make sure that the surface is thoroughly cleaned and free of dust, dirt, or cleaner residues. Poor surface conditions will cause adhesion loss or failure.

### Installation Techniques

If water is used during installation, use minimal amounts. All water must be squeegeed out from under the vinyl. If using liquid soap to increase the ease of installation, only use one drop per gallon of water. Soap must not contain moisturizers. Do not use heat guns or stretch the vinyl. It is calendared vinyl and will shrink back to the original size.

### \*Removal

The adhesive is very aggressive and removal can cause damage to painted surfaces. Use industry accepted removal techniques. To increase the removal, gently heat the vinyl with a heat gun to soften the vinyl and adhesive.

The longer the vinyl has been applied, the more difficult it will be to remove. If during removal, adhesive transfer occurs, soapy warm water and aggressive rubbing with a cloth should remove the adhesive. For surfaces with more difficult adhesive removal, isopropyl alcohol can be used.

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## Handling

- Store unused media in its original packaging
- Before use, allow media to acclimate to the environment
- Avoid touching the printable side without cotton gloves
- Allow media to dry thoroughly before any secondary operations
- Do not allow the printed surface to come in contact with itself

## Service Temperature Range

-40° to 176° F (-40° to 80° C)

## Storage Condition

Temperature	65-75° F (18-24° C)
Relative Humidity	40-60%

## Shelf Life

1 year from ship date

## Life Expectancy

12 months

## Processing Tips

- Ink lay down not to exceed 350%
- For optimum results, use process black as opposed to composite black
- Printer should be set for the highest print quality, and media selection should be "heavy coated"

## Water Resistance/Surface Protection

To obtain a high degree of water resistance, use only pigment ink. Allow 24 hours dry time before exposing to moisture. Lamination is not required.

## Color Profile

For more exacting color, it is recommended to develop custom profiles for a given ink/media/printer combination.