

# Filmoprint 100 White Matt BF Nolite

## Advantages

- Excellent color saturation
- Removable from window within half year
- Suitable for use on a variety of super wide format inkjet printers using solvent ink and Eco-solvent ink

## Applications and Uses

- Bus wrapping with grey & black adhesive

## Features

Color	White
Film	White PVC film
Gloss	Matt
Thickness (film)	90 µm ± 10 µm
Adhesive	Clear acrylic pressure sensitive adhesive
Adhesive color	Grey
Coating weight (dry)	24 gr ± 2 gr
Liner	2-sides PE-coated Liner
Weight, liner	140 gr ± 5 gr
Application surfaces	Flat and simple curves
Application substrates	Metal, paint, rigid plastic
Application temperature range (air and substrates)	3 ~ 38°C
Removability	Removable

## Effective performance life

The effective performance life is based on field experience and exposure tests conducted by Lab. When the graphics are processed and used according to the recommendations, they should have the performance life shown in the table below. The actual performance depends on:

- Correct combination of film, ink, over laminate or clear coat
- Drying methods
- Selection and preparation of the substrate
- Application methods
- Orientation and exposure conditions
- Cleaning methods

### Printing with Solvent-Based Ink jet Inks

Always test with your combination of printer and ink prior to commercial use.

#### ■ Total Ink Coverage

Do not exceed 250% total ink coverage for film. Too high a total physical ink amount on the film results in media characteristic changes, inadequate drying, over laminate lifting, and/or poor graphic performance. To enhance color and protect images against UV radiation and abrasion, Filmoprint 100 White Matt BF Nolite is recommended to be over-laminated with Cold over-laminating Film or Clear.

#### ■ When to Use an Over laminate or Clear Coat

Commercial vehicle and fleet graphics; such graphics are subjected to abrasion such as road debris and automatic/power washing.

Any graphic exposed to abrasive washing conditions, including automatic/power washing, harsh cleaners or chemicals.

### Application

Do not stretch the film during application. If you stretch the film it will tent or lift.

Obtain pre-qualification from Hanker Technical Service before applying to any un-qualification surface.

When applying graphics to flat surfaces, the temperature range for both the air and substrate is 3°C to 38°C.

The film sticks well at the lower end of this temperature range. However, keep these considerations in mind:

- The film becomes less flexible the colder it is.
- At temperatures lower than 3°C moisture may condense on the substrate, which prevents good adhesion.

### Maintenance and cleaning

- Use a cleaner such as the kind used for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline.)

### Shelf life, shipping and storage

- For unprocessed film, shelf life is 12 months. Store the film in a dry area, in the original container, out of direct sunlight and at less than 24°C
- The printed film has one month shelf life
- Ship the finished graphic lying flat or in a roll. To roll the graphic, roll it film side out onto a core that is 3 inches or larger in diameter. These methods help prevent the film and application tape from wrinkling or popping off the liner.

### Conversion

- Cold over laminating
- Mild / Eco solvent ink jet
- UV curable ink jet
- Latex ink jet
- Friction fed cutters
- Solvent ink jet

### Conversion not commended

- Thermal transfer
- Flat bed cutters
- Water based ink jet
- Electrostatic printing
- Die cutting
- Offset Printing
- Screen printing

## TECHNICAL DATA SHEET

### Physical Properties

FEATURES	TEST METHOD	RESULTS
Caliper, face film	GB/T6672-2001	90 micron
Liner	GB4669-1995	140 g/m <sup>2</sup>
Dimensional stability	FINAT-14	Max. 0.8 mm
Tensile strength		≥ 35 N/inch
Elongation		≥ 150%
Gloss	GB8807-88, 60°	> 65
Adhesion, initial	FINAT FTM-1, stainless steel	340 N/M
Adhesion, ultimate	FINAT FTM-1, stainless steel	460 N/in
Tearing		>10000 Min
Release	FINAT -4	15 ~ 40 g/inch
Flammability		Self extinguishing
Shelf life	Stored at 24°C/50-60%RH	12 Month
Durability, unprinted	Vertical exposure	24 Month

### Thermal

- Application temperature: +3°C
- Temperature range: - 20° ~ 60°C

### Chemical

- Resistant to most petroleum based oils, greases and aliphatic solvents
- Resistant to most mild acids, alkalies, and salts

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