



# Seiko M64s

## Wide Format Printing Solution

### ECLIPSE D20 White Gloss 5 YP

D20LAM137050

D20LAM152050

#### Description Polymeric Printable Laminating PVC Film

Eclipse D20LAM **High Gloss** or **Matt** is a 90 micron polymeric calendared self adhesive vinyl suitable for printing and lamination of internal and external applications. Over laminating increases resistance to abrasion and durability of the print. Applying to Eclipse Series 20 digital print vinyl the product provides a matched system.

#### Applications

- Allow the inks to cure before cutting flush to print.
- Recommended drying time should be 24-48 hours prior to lamination and installation (not latex).
- Suitable for flat and simple curves. It is not suitable for application over rivets or complex recesses.

#### Features

- Lamination increase protection from outside elements
- Provides 5 year durability for outdoor performance
- Provides UV, temperature, and humidity resistance
- Enhances colour and depth of image
- Excellent printing performance
- Solvent based acrylic permanent adhesive

#### Characteristics

Item	Description
Film	3.6mils Transparent film with gloss finish
Adhesive	Acrylic based pressure sensitive (solvent based)
Adhesive colour	Grey
Liner	Double sided PE coated paper
Application surfaces	Flat, slightly curved surfaced
Application Temp.	Minimum 10°C (18 to 25° optimum)

#### Durability

Based on field experience and exposure testing in South East Asia Outdoor durability is 5 years for the film, this does not cover the printed image. Refer to ink manufacturer for durability of the finished product.

Shelf life is 1 year unprinted stored at 15 to 25°C relative humidity (in original packaging)

#### Physicals Properties

Property	Metric units	Test Method
Thickness (Including adhesive)	120 µm ± 10	Micrometer
Tensile strength	≥ 1.8 kg/cm <sup>2</sup>	ASTM 882
Elongation	≥ 100 %	ASTM 882
Peel adhesion (24hrs)	1,600 g/in	180 peeling PSTC-1
Service temp. range	-45°C ~ 82°C	Film applied Al panels 24 hrs prior test
Application temp	≥ 10°	18 to 25°C optimum, on clean substrate
Opacity	Tt > 90	Haze Meter (Tt: Transmission)
Gloss	70 ↑	at 60, in Machine Direction
Release liner thickness/weight	0.14 mm / 130 g/sqm	

## Chemical Performance

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The film shows no noticeable effect after immersion in the following fluids for the stated time periods. Condition constituting film failure occurs only after an additional extended exposure time.

Transmission oil	168 hrs minimum
Gasoline (Unleaded)	75 hrs minimum
Distilled water	168 hrs minimum
Saltwater	400 hrs minimum
Ethylene glycol 50 % solution	168 hrs minimum

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## Printing and Material Handling

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Use cotton gloves to prevent dust and finger prints marking the film surface. Check surface quality prior to printing. Suitable for Solvent, Eco Solvent and Latex printing, after printing allow up to 24 to 48 hours drying time before laminating, cutting or applying the graphic. Laminate with Eclipse matched Series 20 laminate.

Product is suitable for cold laminating

For best results ensure product has reached room temperature before use optimal conditions are a relative humidity of 50% to 60% and a temperature range between 18° to 22°C

## Warranty

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