

**EMBLEM OPTIMIZER OSI-MI21 Series Digital Imaging Inks are designed as a quality alternative to Mimaki SS21 original inks.**

## Primary Features & Substrates

### Features

- Color matched to Mimaki SS21 ink, avoiding the need to profile in most situations.
- Low odor formulation.
- Improved resistance to alcohol, scratching and abrasion.
- Enhanced drying characteristics to accommodate faster print speeds
- Long term exterior performance with proven resistance to the effects of UV degradation and color fading.
- High impact, high intensity colors equivalent to the original OEM ink set.
- OSI-MI21 Series inks are available in CMYK LC LM and can be used in conjunction with Mimaki SS21 Orange, Light Black, Metallic and White.

### Substrates

- Self-Supporting flexible and pressure sensitive vinyl.
- Banner Material
- Blue back paper
- Backed mesh

### Ink Handling

All personnel mixing and handling these products must wear gloves and eye protection. Clean up all spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or flush solution). Wash the affected area with soap and water. Consult the EmblemOSI-MI21 Series Material Safety Data Sheet for further instructions and warnings.

### Ink Changeover

When changing from Mimaki SS21 original ink cartridges to Emblem OSI-MI21 series cartridges operators should remove the empty cartridge and replace with an OSI-MI21 ink cartridge and continue printing. This can be carried out either one color at a time or all colors together. No ink fills are required.

### Clean Up

Use Mimaki SS21 cleaning solution for the most effective cleanup of ink spills and cleaning of jet assemblies. Avoid contact with skin. Wear approved safety glasses and appropriate gloves when using Maintenance Solution. Consult MSDS for further safety precautions.

### Storage/Shelf Life

Storage and transportation of ink should be carried out between 5° - 25°C (41° - 77°F). Ink should always be kept away from heat, sparks, and flames. If stored or transported at a different temperature, the ink should be allowed to reach room temperature before calibration or printing. This may have an adverse effect on performance and will affect any warranties given by EMBLEM.

Recommended shelf life of this product is 15 months from the date of manufacture when stored under preferred conditions.

## Ink Performance

### Outdoor Durability

EMBLEM OSI-MI21 Series Inks are designed for maximum outdoor resistance to color fade and chemical attack caused by the combined effects of UV degradation and environmental pollution.

Each color is formulated with durable long-term outdoor pigments. When OSI-MI-21 Series Inks are used with proper color management, color variance of the original print density will be minimal over a period of 24 months for vertical outdoor exposure.

To ensure the color properties of OSI-MI21 Series inks do not change during outdoor exposure, it is important to use proven substrates (flexible vinyls and pressure sensitive vinyls) that do not “yellow” or vary from their original white cast when exposed outdoors. All OSI-MI21 Series Inks are formulated for maximum adhesion to an extensive range of unsupported and pressure sensitive vinyls. Always pretest for acceptable adhesion prior to production.

# EMBLEM OPTIMIZER ink OSI-MI21



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## Environmental Operating Parameters

Temperature:

- 19 ° C – 27 ° C [66 ° F – 80 ° F]

Humidity:

- Optimum: 40% - 60% (non-condensing)
- Operational: 30% - 70% (non-condensing)

## EMBLEM Quality Statement

EMBLEM stands behind the quality of this product. EMBLEM cannot, however, guarantee the finished results because EMBLEM exercises no control over individual operating and production procedures. While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item’s entire life cycle from printing, post print processing, and shipment to end use. This product has been specially formulated for digital printing, and it has not been tested by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from EMBLEM.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

## Validated Equipment

EMBLEM OSI-MI21 Series Inks are designed for use in the following printer platforms:

- Cartridges compatible with Mimaki JV33, CJV, JV300 and JV150 printers using Mimaki SS21 inks.

Please note, EMBLEM do not manufacture or supply white, metallic, light black and orange versions OSI-MI21.

Mimaki SS21 white, metallic, light black and orange inks can be used in conjunction with OSI-MI21 Series.

## Product Offering

All colors listed below are available in 440ml cartridges. Contact your EMBLEM distributor for product availability and offering.

Inks Item Number	Color
25445	Cyan
25446	Magenta
25447	Yellow
25448	Black
25449	Light Cyan
25450	Light Magenta

Item Number	Color
25472	Flush Solution 220ml cartridge