

## Ri-Jet M100 Perm Black

### PRODUCT DESCRIPTION / BENEFITS

Ri-Jet M100 Perm Black series is a self-adhesive film for Large Format Digital printing, especially designed for application on flat surfaces.

The monomeric vinyl, UV stabilised, has an external colour stability up to 3 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.

The 100µm film thickness grants good ink absorption without making the face film too soft, which allows easier application. The permanent black adhesive provides a perfect opacity and a good adhesion on a wide range of substrates.

The 135 g/m<sup>2</sup> liner ensures good planarity and printing results.

All our products are REACH & RoHS compliant.

### TYPICAL USE

- Short term outdoor advertising: trains, bus, billboards
- Short term indoor advertising: shops and malls, airport terminals, ...
- Temporary point of sale advertising.

### CONSTRUCTION

- **Face film:** 100 µm calendered monomeric film
- **Adhesive:** permanent black water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m<sup>2</sup>

#### Products:

White Gloss finish: code 04239 - **Ri-Jet M100 White Gloss Perm Black**

White Matt: 04519 - **Ri-Jet M100 White Matt Perm Black**

### CONVERTING METHOD

Specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.

To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. The printed media should dry minimum 24h prior to lamination.

We suggest a lamination with Ri-Lam M70 Clear Gloss, Matt or Satin to protect the printed image from UV fading and mechanical abrasion.

### APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry and wet application method on clean and degreased substrates.

Application temperature above 10°C.

### EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 3 years.

This information is based on real file experience and artificial aging according to ISO 4892-2.

Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere.

**SHELF LIFE**

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.  
Higher temperatures and/or humidity levels will reduce product shelf life.  
NB: Printing results start to deteriorate after 12 months storage.

## Ri-Jet M100 Perm Black

**PHYSICO-CHEMICAL  
PROPERTIES / TYPICAL  
VALUES**

|   |                       |               |
|---|-----------------------|---------------|
| Face thickness, without adhesive                  | 100 µm                | ISO 534-80    |
| Face thickness, with adhesive                     | 120 µm                | ISO 534-80    |
| Tensile strength (machine direction)              | > 25 N/cm             | ISO 527       |
| Elongation at break (machine direction)           | >150%                 | ISO 527       |
| Fire resistance on aluminium                      | Self-extinguishing    | ISO 3795:1989 |
| Dimensional stability<br>(1 week @70 °C on glass) | 0,5 mm                | FTM 14        |
| Initial adhesion on glass (20 minutes)            | 8 N/25mm              | FTM 1         |
| Adhesion on glass (24 hours)                      | 10 N/25mm             | FTM 1         |
| Final adhesion on glass (1 week)                  | 12 N/25mm             | FTM 1         |
| Minimum application temperature                   | +10 °C                |               |
| Service temperature                               | From -40 °C to +90 °C |               |
| One side siliconized clay coated paper liner      | 135 g/m <sup>2</sup>  | ISO 536       |

**QUALITY  
CERTIFICATION****DISCLAIMER**

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