



TECHNICAL DATA SHEET – DIGITAL PRINTING – RETROREFLECTIVE FILM  
**NIKKALITE MLG485 I2**

Multi-layered film with a thickness of more than 117 µm, consisting of an acrylic resin and glass micro-beads, coated with a pressure-sensitive adhesive. Intended for standard solvent, latex and UV inkjet printing. Gloss white surface finish.

### **FILM FEATURES:**

#### Values

- Thickness (µm): > 117
- Retro-reflective coefficients (unprinted, non-laminated product):

| Observation angle | 0.20° |     |     | 1/3 |     |     | 0.5° |      |     | 2.00° |     |     |
|-------------------|-------|-----|-----|-----|-----|-----|------|------|-----|-------|-----|-----|
| Entrance Angle    | 5°    | 30° | 40° | 5°  | 30° | 40° | 5°   | 30°  | 40° | 5°    | 30° | 40° |
| White *           | 58    | 34  | 20  | 48  | -   | -   | 33.1 | 23.1 | -   | 6.9   | -   | -   |

\* The unit is cd/lux/m<sup>2</sup>.

### **GENERAL PRINTER COMPATIBILITIES:**

|                            | Solvent | Latex | UV |
|----------------------------|---------|-------|----|
| <b>NIKKALITE MLG485 I2</b> | ✓       | ✓     | ✓  |

### **LINER:**

- Silicone-coated PE paper

### **ADHESIVE:**

- Pressure-sensitive adhesive

## **USER'S INSTRUCTIONS:**

- Digitally cuttable and printable film.
- Prior printing requirement: On the printing project, make sure of the absence of film seams being identified by coloured adhesive tape. Where required, take the necessary measures to avoid the connection area.

*The rolls may be composed of an assembly of several film batches, the connecting adhesive tape is visible on the roll side. The number of seams is stated on the cardboard packaging.*

- Touch-dry at the latest 10 minutes following application depending on the printer used.
- The optimum drying time of the inks is 24 hours minimum.
- Recommended application temperature: from +15 °C to +25 °C (from +59 °F to +77 °F)
- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

## **OPERATING RECOMMENDATIONS:**

- For any coating and other, optimal drying time for the inks is 24 hours minimum.
- The surface finish of your printing may be modified/improved/protected by applying the laminating film V750. For UV printing, protect with the laminating film VCR750.

*The film's reflective features may be significantly impaired by applying a protective laminate.*

## **STORAGE:**

- Shelf life (before application):

The shelf life of this film is 1 year if it is stored in its unopened original packaging, suspended in horizontal position by its plastic end caps, at a temperature ranging from +20 °C to +30 °C (from +68 °F to +86 °F), with relative humidity between 30 % and 80 %.

## **DURABILITY:**

- Vertical outdoor exposure:  
unprinted, non-laminated: 3 years

### **NOTES:**

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).