



TECHNICAL DATA SHEET - DIGITAL PRINTING - RETROREFLECTIVE FILM NIKKALITE R85 I20

Multi-layered film with a thickness ranging from 140 μm and 160 μm , which is coated with a pressure-sensitive adhesive. The film is composed of glass micro-beads, which are embedded in a flexible acrylic resin. For solvent, eco-solvent, latex and UV inkjet printing. Glossy white surface finish.

FILM FEATURES:

Indicative values

- Total thickness (μm): 140 - 160
- Retro-reflective coefficients (unprinted, non-laminated product):

Observation angle	0.20°			0.33°			0.5°			2.00°		
Entrance Angle	5°	30°	40°	5°	30°	40°	5°	30°	40°	5°	30°	40°
White*	104	70	38	83	63	36	53	50	-	12	9.4	8.1

*The unit is cd/lux/m^2 .

GENERAL PRINTER COMPATIBILITES:

	Solvent	Eco-solvent	Latex	UV
NIKKALITE R85 I20	✓	✓	✓	✓

LINER:

- Silicone-coated PE paper.

ADHESIVE:

- Pressure-sensitive adhesive.

USER'S INSTRUCTIONS:

- Digitally cuttable and printable film.
- Prior printing requirement: Make sure of the printing equipment's good maintenance condition.
- Touch-dry after less than 10 minutes depending on printer used.
- Optimal drying time for the inks is 24 hours minimum.
- Recommended application temperature: +15 °C to +25 °C (+59 °F to +77 °F).
- In the case of an already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

OPERATING RECOMMENDATIONS:

- It is recommended to perform a preliminary compatibility test between the printing equipment and the media prior to any production launch.
- For all coatings, optimal drying time for the inks is 24 hours minimum.
- The surface finish of your printing may be modified/improved/protected by applying the V750 laminate. For UV printing, protect with the VCR750 laminate.

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

STORAGE:

- Shelf life (before use):

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: 7 years.

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium 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.