

Fleet Marking Grade

R8512GI with Air Egress

Nikkalite™ R8512GI Fleet Marking Grade (FMG) is a flexible printable reflective media with permanent adhesive. R8512GI maintains a 7-year durability, is 6-7 mil in thickness (without liner) and has an excellent white point for hitting targeted colors with your inkjet or thermal printer. R8512GI is the most affordable printable reflective media on the market and is available with or without an air egress adhesive. Whether you are applying a decal or a vehicle body line, R8512GI is an excellent media choice.

Technical Data and Performance

Color	: White	Surface material	: Acrylic resin
Size	: 1220mm×45.7m (48"×50yd)	Adhesive	: Pressure sensitive (PS)
Thickness	: 140–160µm (without liner)	Minimum Coefficient of retroreflection	: ASTM D4956 Type I
Paper core	: 3 inch (inside diameter)	Accelerated artificial weathering	: Table 1 & Graph 1
Durability	: 7 years (coefficient of retroreflection & color for ASTM D4956 Type I)		

Coefficient of retroreflection after accelerated artificial weathering test. [cd·lx⁻¹·m⁻²]

Observation Angle	0.2°			0.33°			0.5°		2.0°		
	5°	30°	40°	5°	30°	40°	5°	30°	5°	30°	40°
Initial	104	70	38	83	63	36	53	50	12	9.4	8.1
3,000 h	84	66	42	63	58	39	38	45	13	9.9	8.1
ASTM Type I	70	30	-	-	-	-	30	15	-	-	-

Adhesive: Pressure Sensitive

Thickness: 140-160µm (without liner)

Surface Material: Acrylic

Available Widths: 24", 30", 36", 48"

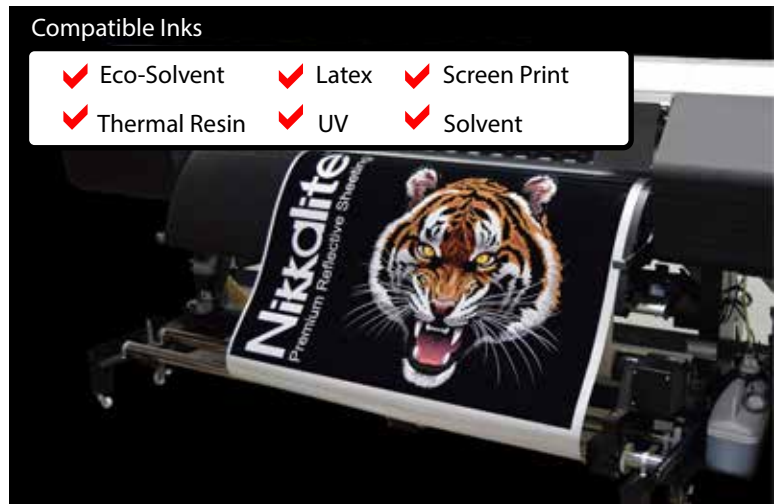
7-Year Durability: UV, Latex, Solvent and Eco-Solvent Ink Compatible

Applications

- Commercial Fleet Graphics
- Wrap and Lettering Accents
- Emergency Vehicles and Apparatus
- Official Seals, Chevrons
- Decals, Stickers, Novelty Graphics
- Utility Markings and Identifiers
- Bus Stops and Advertising
- OSHA Compliant Safety Markings
- and many more use cases

Compatible Inks

- ✓ Eco-Solvent
- ✓ Latex
- ✓ Screen Print
- ✓ Thermal Resin
- ✓ UV
- ✓ Solvent



Printing

Nippon Carbide Industries developed R8512GI to accept a wide range of ink sets and types. R8512GI can be used with any brand printer & RIP software. It is compatible with UV, Latex, Solvent and Eco-Solvent. Consult your ink manufacturer for cure times and out-gassing information. It is recommended to test print a small area to confirm the expected output.

Cutting/Plotting

Test the speed and pressure/force of your plotter on Nikkalite™ R8512GI to ensure correct settings for kiss and perf cutting. Blade depth should be manually adjusted per the cutter manufacturer's recommendation. It is also recommended to use a sharp 45 or 60 degree blade.

Fast Facts

- Most AFFORDABLE flexible printable reflective media available.
- 7-year durability and maintenance (Meets ASTM D4956 Type I requirements)
- Excellent white point for attaining the best possible Color Gamut and Color Matching.
- R8512GI Air Egress channels allows the installer to position and apply the graphic without air bubbles.