

## Nikkalite® Flexible Engineering Grade (FEG)

### DESCRIPTION

Nikkalite® Flexible Engineering Grade (FEG) is a flexible glass-beaded retroreflective sheeting that renders retroreflectivity during darkness. It is designed for use on vehicles where application to riveted and corrugated surfaces may be required. The material is highly resistant to extremes of hot, cold, dry and humid weathering conditions and vehicles liveried with FEG sheeting are attractive in appearance and highly visible during both day and night-time conditions.



Photo; 48005 Red FEG with Fluorescent non reflective Light Yellow 7F 310

### PHYSICAL PROPERTIES

Average coefficient of retroreflection cd/lux/sq.mtr OA 0.2' EA 4 °

White	Black	Yellow	Red	Blue	Green	Gold
48012	48003	48004	48005	48006	48008	48010
70	3	50	5	6	7	40

### TECHNICAL DATA

Properties	Test method	Results
Average thickness	Micrometer	150+/-5um
Average Gloss	Glossmeter	>85 at 60 ° C
Tensile strength	Instron tester	>2.3kgf/25mm
Elongation	Instron tester	>120
Min' application temperature	Flat smooth surface	15° C
Max' application temperature	Corrugated / Riveted surfaces	25° C

### SCREENPRINTING

N3600 inks are extremely durable, highly transparent, quick drying and fast curing inks, which bond strongly. When used as a two-pack ink (ink and hardener) N3600 inks offer a tougher and scratch resistant surface to the printed image. It is essential that the manufacturers recommended procedures are strictly adhered to and only Nikkalite inks and thinners are used.

### DURABILITY

When processed and applied in line with the manufacturers instructions, FEG can be expected to have a useful working life of up to 7 years.

### REMOVAL OF LIVERIES / GRAPHICS

The sheeting can be removed by applying gentle heat to the surface and peeling away.