

# TECHNICAL DATA SHEET

## Rail Reflective Silver Vinyl

### RR Tape (106mm x 15 mtr.)

#### DESCRIPTION

A flexible reflective film (engineering grade) providing wide angle reflectivity of incident light and giving excellent night and day visibility. The film consists of a layer of microscopic glass beads of high optical quality, embedded in a coloured film and reacting as lenses. A metallised back provides the mirror surface for reflection. Thanks to its flexibility, the film is easy to cut and to weed and can be applied on curved or corrugated surfaces. It has been specially developed for trouble free computer cutting and fast weeding.

#### TYPICAL USES

A marking film designed for 24hrs a day eye-catching decoration and identification. Designed for promotional panels and vehicle markings where application on riveted or corrugated surfaces may be required.

#### TECHNICAL DATA

<b>Adhesive</b>	High quality solvent based permanent white acrylic adhesive.
<b>Liner</b>	Highly stable 150 gsm white PE coated paper.
<b>Thickness</b> (film only) <b>Thickness</b> (film + adhesive) ASTM D-645	115 pm 150 pm
<b>Durability</b> (vertical weathering in central European climate)	5 — 7 years *1
<b>Reflectivity</b> (at -4° entrance angle and 0.2° observation angle) with the following typical coefficient of retro reflection	White: 70 cd/lux/m <sup>2</sup>
<b>Face Material Data, 23°C</b> DIN 53455 Tensile Strength Elongation at Break	>16 N/15mm >100%
<b>Adhesive Data, 23°C</b> FTM 1 Peel adhesion 180° on stainless steel 20 min. residence: 1 week residence:	24 N/25 mm 34 N/25 mm
<b>Dimensional stability</b> FTM 14 Shrinkage (48hrs at 70°C): (25cm x 25cm, sample mounted on aluminium)	<0.3%
<b>Temperature ranges</b> Application: End-use:	+10°C to +40°C -20°C to +90°C
<b>Shelf Life</b>	1 year when stored at 15 to 25°C and ± 50% relative humidity
<b>Solvent and chemical resistance</b> (applied on stainless steel 72 hours vents, before immersion)	Resistant to most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis.