

# PRODUCT DATA SHEET



## ECE104 REFLECTIVE – RS999

### DESCRIPTION

ECE104 REFLECTIVE (Reflexite® VC104+ Rigid Grade Image) is a tough weather and solvent resistant product designed for rugged outdoor use. The material is intended for application as conspicuity marking on trucks and trailers with rigid sides.

Approved to Regulation ECE104 Class C

### CONSTRUCTION

Composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilised polymeric film. The prism surfaces are coated to provide a mirror surface to the prism facets. The resulting material is not more than 0,16mm thick and comes with an aggressive high-tack pressure sensitive adhesive. The product is single layer, with no need for edge sealing.

### REFLECTIVITY

Complies with the minimum reflectivity requirements of Regulation ECE104 Class C. When illuminated with CIE standard illuminant A and measured with the provisions of CIE no.54 the coefficient of retro-reflection ( $R'$ ) for reflective VC104 Rigid grade shall not be less than the values in the table below.

Obs. Angle	Entrance Angle	Entrance angle ( $\beta = \beta_1$ )				
		$0^\circ$	$0^\circ$	$0^\circ$	$0^\circ$	$0^\circ$
0,33°	Beta 1 ( $\beta_1$ ) Beta 1 ( $\beta_2$ )	5°	20°	30°	40°	60°
White	$R'$	450	n/a	200	90	16
Yellow	$R'$	300	n/a	130	75	10
Red	$R'$	120	60	30	10	n/a

\*) The coefficient of retroreflection ( $R_A$ ) has units of cd/lux/m<sup>2</sup>

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## **APPLICATION INSTRUCTIONS**

Material must be applied when the air and surface temperature is between 15°C and 38°C to assure proper adhesive bonding. Surfaces must be clean of all grease, oil and dirt. Use a clean towel and Isopropyl alcohol, or similar, to wipe the surface before application.

If any air bubbles are trapped, use a pin to puncture the bubble and a squeegee to push the air towards the pin hole.

## **ROLL SIZE**

Standard rolls are 50mm x 50m

## **SHELF LIFE**

The sheeting must be used within 2 years from the date of manufacture (this date is stated on the label on each roll). All rolls including partially used rolls should be stored in original packaging, lying flat. Store in a clean and dry area, away from direct sunlight. Store at room temperature 23°C and 50% r.h.

The above information is given in good faith and for guidance only. The user shall be responsible for determining that the performance of the product is sufficient for his application. The quoted values are based on averages and should not be taken as maximum or minimum values for specific purposes.