

## Nikkalite® 935000C series ECE 104 conspicuity tape for flexible curtain sided vehicles

### Introduction

Nikkalite® conspicuity tape is a high performance single layer microprismatic retroreflective sheeting manufactured by Nippon Carbide Industries (NCI), conforming to the requirements of ECE 104 for heavy goods vehicles, trailers and other vehicles as required by ECE regulation 48.

935000C series is durable polycarbonate segmented sheeting coated on the rear with an aggressive adhesive protected by a removable plastic liner.

### ECE 104 approval number

Nikkalite® 935000C series meets the requirements of ECE 104 for heavy goods vehicles, trailers and other vehicles as required by ECE regulation 48.

Colour	ECE 104 approval number
White	E43-104R-000001
Yellow	E43-104R-000004
Red	E43-104R-000003

### Product information: 935000C

Roll size 51mm x 50 mts.

The “C” designation in the product code denotes segmented rolls with a clear carrier tape over the surface of the roll to allow removal from the liner and application onto flexible curtain sides.

The tape is separated into segments by a 6mm space to allow for flexing of the substrate to which the contour tape is applied.

Segmented tape for flexible sides	
Colour	Product code
White segmented roll	935021C
Yellow segmented roll	935041C
Red segmented roll	935051C

For rigid side applications 935000R type continuous tape should be used.

### Typical retroreflectivity

Colour	$\alpha=0.33^\circ$ $\beta 1=0^\circ$	$\beta 2$				
		5°	20°	30°	40°	60°
White		670	-	280	150	17
Yellow		650	-	255	130	16
Red		240	115	70	35	-

Coefficients of retroreflection cd/lux/m<sup>2</sup>

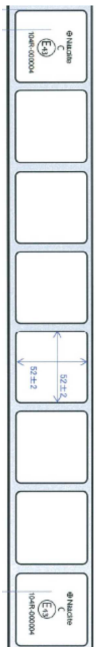
### Chromaticity co-ordinates

Colour		1	2	3	4
White	x	0.373	0.417	0.450	0.548
	y	0.402	0.359	0.513	0.414
Yellow	x	0.585	0.610	0.520	0.505
	y	0.385	0.390	0.480	0.465
Red	x	0.720	0.735	0.665	0.643
	y	0.258	0.265	0.335	0.335

### Flexible surface preparation

The tape & flexible curtain should be conditioned to an ambient temperature between 15°C to 38°C, to ensure correct adhesion.

New and weathered surfaces should be thoroughly and carefully cleaned with Isopropyl Alcohol (IPA) to ensure surface is free from all surface contamination. Use a separate clean cloth to wipe dry.



Segmented tape for curtain sided vehicles

### Application instructions

Determine the flat application position for the tape avoiding belts and buckles in the flexible surface. Tension but do not stretch the flexible surface to which the tape is to be applied and support against firm surface to permit firm application of the tape using a squeegee.  
Cut to manageable length, peel back approximately 50mm of the liner avoiding touching the adhesive.  
Correctly align the tape and remove a workable length of liner and apply the tape using a squeegee with firm overlapping strokes to remove all air. Repeat down the vehicle length.  
Carefully remove the carrier tape checking all edges of the conspicuity tape are firmly adhered to the flexible surface, resqueegee as necessary.  
Release any air bubbles using a pin and firmly press tape down.  
After application avoid washing vehicle for at least 72 hours.

### Vehicle washing instructions

Do not use abrasive or strong solvents such as vehicle traffic film cleaners or under body cleaning solutions on conspicuity tapes.

#### Manual Wash

Use mild detergent and clean water.  
Use soft brush / cloth avoid catching corners of tape.  
Rinse with clean water

#### Power Wash

Use mild detergent and clean water solution  
Use fan spray of water and not direct water jet  
Maximum 80 bar water pressure, max temp 60°C  
Maintain nozzle more than 600mm from livery edges  
Maintain angle greater than 45 degrees to vehicle surface

### Performance life

When fitted and maintained in accordance with NCI instructions 935000C series has an expected performance life of up to 3 years.

### Storage.

Boxed rolls should be stored horizontally preferably at a temperature of 15°C to 25°C. Stocks should be rotated within 12 months and stored out of direct sunlight.

### Reliability of information

All recommendations and technical information contained herein are based on experience and tests, which the manufacturer believes to be reliable, but their accuracy and completion are not warranted. The user is cautioned to undertake tests to determine the suitability of a particular product for the intended application.

### Warranty

Nikkalite® products are warranted to be free from defects in materials and workmanship at the time of their sale. Nikkalite® products are sold without any warranty whatsoever, including warranties of merchantability or fitness for a particular purpose. The sole remedy for failure of Nikkalite® products to conform to said warranty is the replacement of the defective products; neither the manufacturer nor the seller shall be liable for any loss, damage or injury, direct or indirect, consequential or incidental, arising from the use of or inability to use said products.

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