

Nikkalite® Ultralite 800 series retroreflective sheeting

Description

Nikkalite® Ultralite is an encapsulated lens retroreflective sheeting manufactured by Nippon Carbide Industries (NCI), with a highly transparent flat and smooth top surface. Ultralite has been specially designed to ensure long durability and high performance for traffic signs mounted vertically.

800 series is designed for use on permanent traffic signs and is coated with a permanent adhesive protected by a removable liner.

Physical & visual performance

Nikkalite® Ultralite 800 series is certified to class RA2 of EN 12899-1; 2007 Fixed, vertical road traffic signs. Certificate number 0760-CPD-R11001. Further details can be provided on request.

Daylight chromaticity & luminance factor

Satisfies the requirements for CR1.

Minimum coefficient of retroreflectivity; RA2

Obs' angle	Ent angle	White 812	Yellow 804	Red 805	Green 808	Blue 806
12'	+5°	250	170	45	808	20
	+30°	150	100	25	45	11
	+40°	110	70	15	25	8
20'	+5°	180	120	25	12	14
	+30°	100	70	14	21	8
	+40°	95	60	13	12	7
2°	+5°	5	3	1	11	0,2
	+30°	2,5	1,5	0,4	0,5	#
	+40°	1,5	1,0	0,3	0,3	#

indicates "Value greater than zero but not significant or applicable".

Processing information

The sheeting can be processed by the following methods;

- A100 coloured overlays.
- Screenprinted with N3600 inks
- Digitally printed on Mutoh Zephyr TS UVIJ printer

Further details can be provided on request.

For further technical information refer to;

- Sign shop processing instructions
- On site storage instructions
- Sign cleaning procedures

Health & Safety (COSHH)

Although the adhesive contains a small amount of solvent, it is almost certain that this solvent will not be emitted from the sheeting. For further information contact Rennicks UK for a MSDS data sheet.

Durability

When processed and applied in line with NCI instructions, Nikkalite® 800 Ultralite grade sheeting when exposed vertically under normal weathering conditions in the UK or Ireland can be expected to have a useful performance life as shown in the table below.

Actual performance depends greatly on type and treatment of substrate and on weathering conditions.

Product code	Effective life UK & Ireland
812 White	12 years
804 Yellow	12 years
805 Red	12 years
806 Blue	12 years
808 Green	12 years
809 Brown	12 years
828 Dark Green	12 years

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. Subject to paragraph two hereof, 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.

Nikkalite® products sold in the United Kingdom are sold with a warranty subject to the Road Traffic Sign Warranty agreement between Rennicks (UK) Limited, Nippon Carbide Industries Inc., and the Traffic Sign Manufacturer