

Nikkalite® A100 series transparent coloured overlay films

Description

Nikkalite® A100 series transparent coloured overlays are durable cast flexible sheetings, which have excellent dimensional stability and a clear acrylic pressure sensitive adhesive protected by a plastic liner.

Transparent coloured overlays are designed to be applied to the surface of retroreflective white sheeting offering a simplified and efficient system of sign manufacture for permanent and temporary traffic signs.

Physical & visual performance

Nikkalite® A100 series have been tested to the requirements of EN 12899-1; 2007 Fixed, vertical road traffic signs. Further details can be provided on request.

Processing information

Nikkalite® overlays have excellent handling characteristics and are specifically designed for processing on upright friction and flatbed plotting equipment.

A142 clear overlay may be applied to the surface of sign faces to act as a protective layer.

Product code
142 Clear
104 Yellow
105 Red
106 Blue
107 Orange
108 Green
109 Brown
128 Dark Green

Cutting

Nikkalite® A100 series overlay film can be cut using the following methods:-

- Friction or sprocket fed upright plotters
- Flat bed plotters
- Sharp knife

Check the plotter blade to ensure it is clean and sharp.

Best results are achieved with a 30-degree Blade.

The cutting blade pressure must be adjusted to cut the film cleanly without cutting into the release liner.

The pressure will vary depending on the equipment used and reference should always be made to the equipment manufacturer's operating manual.

Plotting devices with tangential rotated knife blades are preferred to plotters with a drag knife. If using a drag knife plotter, adjust the equipment to cut at low speed and increase the blade pressure so that a finer cutting edge can be achieved.

When handling Nikkalite® A100 series overlay films, avoid stretching or folding the film sharply.

After plotting, if the overlay image is to be stored before application the overlay film should be loosely coiled in the same direction as it came from the roll with the end taped down. Preferably the image should be stored vertically in a suitable high sided box or lay the image flat.

Weeding and Trim

Use tweezers or scalpel with a blunt edge to weed the film. When weeding is complete, lay the A100 Series sheeting flat or coil loosely and support vertically until application tape has been applied.

Coiled material may collapse under its own weight if laid horizontally on a bench top; coil around a 76mm core or store vertically in a suitable area until ready to be used.

Application Tapes

Medium tack transparent plastic application tapes are recommended as paper types can absorb moisture and may stretch during application. When applying application tape to image using a hand roller, firm and consistent overlapping strokes should be maintained.

Application of overlay

Application through a wide width roller using the 50/50 or split liner method of application.

Following application carefully remove the application tape at a very low angle (180°) to the substrate.

After removal of the application tape, pass the sign plate once more through the laminator.

Joints in coloured overlay films should be avoided.

Colour matching

When using more than one piece of overlay sheeting on a large sign, sheeting from the same roll should be used for uniform colour matching.

Colour matching is the responsibility of the sign manufacturer.

Effective performance life

The effective performance life for traffic signs installed vertically in the UK and Ireland will be equivalent to that of the Nikkalite® retroreflective sheeting base film, providing that these materials have been processed and applied in accordance with Nikkalite® sheeting instructions.

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.

Rennicks (UK) Ltd. Stuart Road, Manor Park, Runcorn, Cheshire, WA7 1TS

T: 01928 579 966 **F:** 01928 579 965 **E:** ruksales@rennicksmts.com

www.rennicks.com

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