

Nikkalite® RA1 Temporary sign grade; T4400 / T4500 series

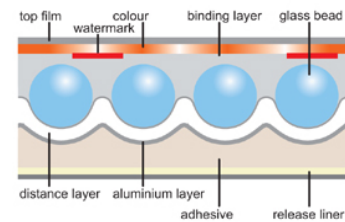
Introduction

Nikkalite® Economy grade is a self-adhesive retroreflective sheeting for the manufacture of temporary road traffic signs to BS 8442, multi-colour graphics, advertising boards and similar products where a short to medium term durability is required.

White and Yellow colours are available in both;

- low tack semi-positional
- high tack adhesive

High tack is recommended for recycled plastics or low temperature application. The adhesive is protected by a paper release liner.



These materials are not suitable for the manufacture of permanent Road Traffic Signs.

Adhesive types

Colour	Product code	
	Low tack adhesive	High tack adhesive
White	T4412	T4512
Yellow	T4404	T4504
Red	4405	
Blue	4406	
Orange	4407	
Light Green	4408	

T4400 and 4400 series offers a low-tack semi-positional pressure sensitive adhesive, for application at minimum 15°C onto clean and smooth surfaces of tested and approved metal and coated metal.

T4500 series offers a high-tack pressure sensitive adhesive also suitable for application to the above substrates plus more demanding surfaces where an immediate aggressive adhesive is required, or for lower temperature range applications

Both adhesives reach the same level of adhesion (approx 48 hrs at 20°C) and curing times are influenced by surrounding temperatures.

Economy grade has a useful working life of at least 3 years.

Nikkalite® Economy Grade Retroreflective sheeting offers the following characteristics:-

Colour fast
Resistance to corrosion
Resistance to most solvents

Resistance to weather
Excellent adhesion
Dimensional stability

BS 8442 Miscellaneous road traffic signs and devices

White & Yellow colours tested for initial and after weathering to the requirements of BS 8442 fully comply as detailed in BSi reports 247/4458006.

Visual performance; Daylight chromaticity CR1.

Photometric requirements; Glass bead sign face materials Class RA 1.

Resistance to weathering sign face materials; T2 3 year period.

Impact resistance no damage observed when tested on 3mm aluminium plate, zintec steel and HDPE black plastic substrate.

Storage & Application of sheeting

Nikkalite® sheetings will bond to clean smooth surfaces of tested and approved metal, coated metal, and certain plastic sheets. Refer to separate detailed technical information

Coloured overlay films

Nikkalite® PA100 self-coloured transparent overlay films have a clear acrylic pressure sensitive adhesive and are designed to offer a simplified and efficient system of sign manufacture for various types of Road Traffic Signs manufactured to BS 8442.

Screen printing

Both the Nikkalite® N3500 and N3600 types of inks are durable, highly transparent, quick drying screen printing inks, that bond strongly and permanently to Nikkalite® retroreflective sheeting.

Refer to separate detailed technical information

Colour matching

When using more than one piece of reflective sheeting together, sheeting from the same roll should be used for uniform colour matching and reflectivity. Every other piece of material should be rotated by 180°, so the same roll edges come together. When required the sheeting may be overlapped by 6mm from top to bottom. Colour matching is the responsibility of the sign manufacturer.

Graphic cutting

Friction or sprocket driven rotary plotters, flat bed plotters or craft type cutting knives are all suitable for cutting Nikkalite® T4400 & T4500 Economy grade materials. Off cuts of sheeting should be stored flat or tightly wound around the outside of a 76mm core

The material must be allowed to condition, out of its box and correctly supported, ideally in a room with an ambient temperature of 15°C to 25°C.

Packaging & Storage of finished signs prior to installation

Finished signs should be adequately packaged to prevent damage during handling and transit. The sheeting liner may be used against the sign face in addition to bubble wrap and the signs should be placed face to face.

The effective performance life and guarantees may be become void by mishandling, or incorrect storage and installation techniques.

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 please contact Rennicks UK for a COSHH data sheet.

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 their own test/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.



REMA Nikkalite

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

T: 01928 579 966 F: 01928 579 965 E: uksales@rennicks.com

www.rennicksuk.com

Registered in the United Kingdom No. 2101567 VAT No. GB 464 633633



Rennicks^{U.K.}
CLEARLY BETTER