



Nikkalite® 3600 series screen printing ink

Introduction

Nikkalite® 3600 series pre screening inks are durable, highly transparent, quick drying screen printing inks, that bond strongly and permanently to Nikkalite retroreflective sheetings. The inks are designed to comply with the appropriate clauses and relevant Standard to the Nikkalite sheeting being screened.

Nikkalite® 3600 series screen printing inks may be used as a;

- single component or
- two component ink.

The attached sheet covers in detail two component processing.

Single component use

3600 single component ink should be used in the same way as the 3500 inks, but do not mix 3500 & 3600 inks together or overprint / overlap. Permanent traffic signs should be screen printed using a 62T to 71T/cm polyester monofilament plain weave mesh to achieve the correct depth of colour and durability required for the applicable standards.

Colour	Code
White	3601
Black	3603
Yellow	3604
Blue	3616
Red	3625
Thinner	3611
Toner	3612
Hardener	3631

3600 **single pack** may be printed onto; 800 ULS, 8100 EG, 15000 SEG, 48000 FEG & T4400 / 4500.

3600 **two pack (ink & hardener*)** is recommended for Crystal grade 92800 CV and HIM 600 series but may also be used for 800 ULS, 8100 EG, 15000 SEG, 48000 FEG & T4400 / 4500 where a tough scratch & graffiti resistant surface is required.

Nikkalite 3600 series ink general information

Nikkalite inks do not normally require dilution with thinner due to their pre-adjusted viscosity, however, when necessary only use Nikkalite® N3611 thinner and refer to the detailed instructions provided with the ink.

Clear coating or edge sealing is not normally required; however, when specified only use 3612 clear toner.

Screen printing should be undertaken in a suitably separated area with good air extraction and ventilation.

For non traffic multi coloured or fine detail work such as crests a 71T to 87T/cm mesh may be used and clear coating using a toner to achieve longer durability.

- Provide sufficient air flow across sign faces immediately after printing to remove solvents and reduce drying time.
- Oscillating fans should be positioned to provide air flow through the drying racks at the various levels.

If you have any questions or concerns on any of the above please call Trevor Wren Technical Service Manager 07771 611579.

Standards compliance

BS 8408 Microprismatic sign faces

When screen printed in line with NCI procedures onto Nikkalite 95800 Crystal grade CV sheetings, they shall comply with the appropriate clauses in BS 8408 for Visual performance, retroreflectivity and impact resistance both before and after natural weathering.

BS EN 12899-1 Permanent sign faces

When screen printed in line with NCI procedures onto Ultralite 800 / 500 series Class RA2 or Engineering grade 8100 series Class RA1 White Nikkalite sheetings, they shall comply with the appropriate clauses in BS EN 12899-1; 2007 for Visual performance, retroreflectivity and impact resistance both before and after natural weathering.

BS 8442 Temporary sign faces

When screen printed in line with NCI procedures onto White or Yellow Ultralite 800-90 series Class RA2 or Economy grade T4400 / T4500 series Class RA1 Nikkalite sheetings, they shall comply with the appropriate clauses in BS 8442 for Visual performance, retroreflectivity and impact resistance both before and after natural weathering.

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.