

Hi-S Cal V803-90 vinyl with removable adhesive

Hi-S Cal V803-90 is a durable black coloured cast vinyl with a removable adhesive designed for applications where a low bond strength and removable adhesive is required.

Typical applications;

- Temporary signs removable black text
- Permanent* signs short to medium term blanking of destinations



The adhesive is specially formulated and during removal will not separate or leave an adhesive residue on the surface of Nikkalite® retroreflective sheetings.

The vinyl is easily removable at temperatures around freezing** providing a quick residue free removal option.

- Provides cleaner and faster alternative to grey sprays.
- Nikkalite® reflective may be applied to match background colour of sign.
- Overcomes difficulties in removing grey sprays from sign surfaces where residues significantly reduce retroreflectivity.

Ch 8 signs are often re lettered and many vinyl's leave an adhesive residue which requires removal using strong solvents and additional labour. This is an extra time consuming and messy operation and the solvent may soften and weaken the surface of the retroreflective sheeting. The use of solvents and Health & Safety related implications can be completely removed by using V803-90 removable cast vinyl that remains removable after many years exposure to UV.

* Application of grey sprays, or V803-90 vinyl to the surface of Nikkalite® dew resistant overlay is not recommended and undertaken at user's risk. Rubbing the surface to remove grey sprays or applying self-adhesive panels may be detrimental to the dew resistant surface coating.

** Temperatures below 0°C are not recommended.

Physical test	Result	
Base film thickness (mm)	0.075	
Adhesive thickness (mm)	0.02	
Adhesion removal test from Nikkalite® ULS & CRG after 12 hours at -15°C	No residue	
Tensile strength at 23°C (N/10mm)	15	
Tensile strength at break at 23°C (N/10mm)	26	
Shrinkage on painted panel (80°C x 24 hr) (%)	1	
Adhesion on painted aluminium panel (N/10mm)	Initial after 1 hour at 23°C	7
	After 168 hours at 23°C	10
	Heat aging after 168 hours at 80°C	10
	Humidity after 168 hours at 50°C, 95% RH	9
	Water immersion after 168 hours at 40°C	9
Exposure test on painted aluminium panel	Heat aging after 168 hours at 80°C	No effect
	Humidity after 168 hours at 50°C, 95% RH	No effect
	Water immersion after 168 hours at 40°C	No effect
	Salt spray after 240 hours at 35°C (5%NaClaq)	No effect
	Fuel resistance after 0.5 hours at 23°C	No effect
Durability on aluminium panel	Florida South facing 24 months	No effect
	Weatherometer 3000 hours	No effect
Resistance test 0.5ml after 25 hrs	35% HCl aq	No effect
	Engine oil, Grease, Fuel oil, Gasoline	No effect



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