NSCP
Nickel Screening Compound - Plus

NSCP is an electrically conductive coating based on nickel powder in a thermoplastic resin. It is an extremely efficient EMI/RFI screening coating that will adhere to a wide variety of substrates and can be used to coat cabinets for a variety of electronic and electrical housings. The coating becomes touch dry 5 minutes after application and achieves maximum conductivity after 24 hours.

- Excellent electrical properties; ideal for EMI/RFI shielding applications
- Fast drying at room temperature and provides good coverage; coats complex shapes
- Good adhesion to a wide variety of surfaces; can be applied to ABS and other plastics – testing advised
- Suitable for a wide variety of applications; for higher electrical conductivity please see Electrolube SCP

Approvals	**RoHS-2 Compliant (2011/65/EU):**	**Yes**
Liquid Properties:	Colour	Dark Grey
	Surface Resistivity (Ohms per sq. @ 50µm)	0.3 - 0.7
	Density (g/ml @ 20°C)	1.36 (Bulk), 1.17 (aerosol)
	Touch Dry Time (@ 20°C)	5 minutes
	Cure Time (@ 20°C)	24 Hours
	Cure Time (@ 60°C)	2 Hours
	Flash Point (°C)	17
	Viscosity (mPa s @ 20°C)	2300
	Approximate Coverage per Litre (@ 50µm)	1.50m^2 (400ml Aerosol) 5.60m^2 (Bulk)
Cured Properties:	Adhesion (Cross Hatch Test BS3900E6)	Excellent
	Pencil Hardness	9H
	Operating Temperature Range (°C)	-40 - +95

Frequency (MHz)	20	60	250	500
Attenuation (dB)	62	65	62	55

Description	Packing	Order Code	Shelf Life
Nickel Screening Compound Plus	400ml Aerosol	NSCP400H	36 Months
	5 Litre Bulk	NSCP05L	36 Months
NSCP Thinners	5 Litre Bulk	NSCPT05L	36 Months

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,
Ashby de la Zouch,
Leicestershire LE65 1JR
T +44 (0)1530 419 600
F +44 (0)1530 416 640
BS EN ISO 9001:2008
Certificate No. FM 32082

Directions for Use

Aerosol: Shake thoroughly before use; a minimum of 2 minutes is recommended. Ensure surfaces are free from dust, dirt and grease. For some substrates e.g. polypropylene a suitable primer may be necessary; please consult Electrolube Technical Department. Holding aerosol in upright position apply in light even strokes from side to side. More than one coat may be necessary to achieve desired specification. After use invert can and spray until nozzle is clear.

Spray Gun: For in-house spraying, NSCP can be supplied in bulk containers. The recommended dilution ratio is 1:1 with NSCPT. This product is for professional use only.

Health & Safety: Always refer to the Health & Safety data sheet before use. These can be downloaded from www.electrolube.com

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