

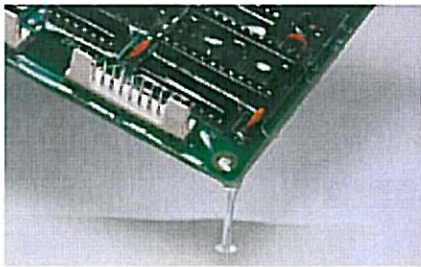
Sealing Compound *(for Insulation and Moisture-preventing)*

Nitti-Shinko's "ELEP COAT" LSS - Series (Liquid Compound)

This moisture-preventing liquid sealant thoroughly protects circuit boards from changes in humidity, temperature, and other environmental factors. ELEP COAT "LSS" Series.

LSS-520MH

In addition to the features offered by the LSS-520, the LSS-520MH offers improved heat-resistance, and uses solvent which does not apply to PRTR laws or Export Trade Control Ordinances, a feature long sought by customers to reduce a negative environmental impact.



- Offers low Young's modulus, small thermal expansion coefficient, excellent moisture-proofing, waterproofing, insulating, dust-proofing, and protective properties.
- Features remarkable, reliable adhesion, quick film formation (3 to 15 minutes after application), strong elasticity, and anti-corrosion properties.

<Properties>

Item	Unit	LSS-520	LSS-520MH	LSS-540E	Conditions
Solid Content	%	30	25	40	
Solution Viscosity	mPa/s	400	400	12	25°C
Young's Modulus	MPa	86	75	9.2	Tensile speed 0mm/min
Elongation	%	450	460	500	Tensile speed 300mm/min
Water-Vapor Permeability	g/cm ² -day	0.002	0.002	0.0035	40°C * 90% Coating thickness:100µm
Volume Resistivity	Ω·cm	3.1 * 10 ¹⁶	3.3 * 10 ¹⁶	2.4 * 10 ¹⁶	JIS C2107
Dry to touch	Min.	3	5	15	Coating thickness:20µm

- * Measurements provided here are measurement value examples and are not guaranteed.

- * ELEP COAT is a liquid sealing compound that uses rubber-modified material as its main ingredient.
- * When applied to the component side of a substrate, it thoroughly protects against moisture, dew, dust, and vibration.
- * In addition, this insulating, moisture-proof sealing compound results in very little stress on the components, and has no negative influence on the substrate such as cracks or leakage current.

<Q&A>

Q1. What is ELEP COAT ?

- ELEP COAS is Liquid Sealing Compound of Insulation and Moisture-Preventing for circuit substrates. When applied to the component side of a substrate, it thoroughly protect against dust, moisture, dew and vibration.

Q2. What is it used for ?

- It is used for circuit substrates of Home Electronics and Cars

Q3. What types of ELEP COAT are there ?

- There're two types, Water-Soluble and Solvent-Soluble.

● Water Soluble type

Model No.	Features
LSS-540E	Water soluble sealing compound for moisture-prevention. Without organice solvent (Non-hazardous material)

● Solvent Soluble type

Model No.	Features
LSS-520	(Clear/Blue Color) Fast-drying type (toluene is used)
LSS-520MH	(Clear/Blue Color) Improved heat-resistance and uses solvent which does not apply to PRTR laws or Export Trade Control Ordinances
LSS-520MHF	fluorescent colored type of LSS-520MH. Visual confirmation is available by irradiating black light after applied.

Q4. What sizes are available ?

Model No.	Available Sizes (Content)
LSS-540E	17Kgs (CANNED)
LSS-520	4Kgs (CANNED) 15Kgs (CANNED), 15KGS (UN-CANNED)
LSS-520MH	4Kgs (CANNED) 15Kgs (CANNED), 15KGS (UN-CANNED)
LSS-520MHF	4Kgs (CANNED) 15Kgs (CANNED), 15KGS (UN-CANNED)

Q5. What kind of Diluent (thinner) should be used ?

- Use the Diluent agent dedicated for ELAP COAT, please !

Model No.	Diluent
LSS-520 (Clear/Blue)	Thinner for ELAP COAT
LSS-520MH(Clear/Blue)/LSS-520MHF	Diluent dedicated for LSS-520MH