



METADUCT 1225 SN-742

LOW-COST GENERAL PURPOSE ELECTRICALLY CONDUCTIVE ADHESIVE

METADUCT 1225 SN-742 is an easy-to-use economical electrically conductive epoxy adhesive which has been specifically formulated for cost-critical applications.

METADUCT 1225 SN-742 is supplied in two parts which, when mixed, cure at room temperature into a rigid solid with excellent electrical conductivity -- low enough to satisfy most general purpose requirements. When blended together in proper mixing proportions, the two components produce a thin paste which is readily applied by brush or trowel or from a syringe.

METADUCT 1225 SN-742 provides a convenient alternative to lead-tin soldering for bonding or making circuit connections, especially where soldering is not feasible. Adhesion to metal, glass and plastic is excellent.

UNCURED PROPERTIES

	<u>BASE</u>	<u>ACTIVATOR</u>
Viscosity at 25°C (cps)	30-50,000	80
Specific Gravity (25°/25°C)	1.65	0.96
Shelf Life (months)	6	6
Working Life (minutes)	120	

CURED PROPERTIES PHYSICAL

Moisture Absorption, 30 days @ 27°C (%)	0.10
Hardness (Shore D)	85
Tensile Strength (psi)	8800
Compressive Strength (psi)	13,500
Thermal Conductivity (BTU/hr-sq ft-°F/in)	3.2
Thermal Expansion Coefficient (°C)	1.8 x 10 ⁻⁵
Thermal Deflection Temperature (°C)	90
Operating Temperature Range (°C)	-50 to +150
Specific Gravity (25°/25°C)	1.64

ELECTRICAL

Volume Resistivity (ohm-cm)	0.018
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INSTRUCTIONS FOR USE

1. Mix **METADUCT 1225 SN-742 BASE** thoroughly until uniform in the container in which it is received. Then weigh out the amount desired into separate containers.
2. Measure 4.5 parts of **METADUCT 1225 SN-742 ACTIVATOR** by weight for each 100 parts of base. Mix thoroughly. Working life will be 2 hours at room temperature.
3. Select either of the following curing schedules:

Room temperature (77°F)
150°F

8 hours, or
30 minutes