



ELECTON 45RT

ELECTRICALLY CONDUCTIVE & FLEXIBLE LACQUER.

- * **LOW AND ROOM TEMPERATURE CURING**
- * **VERY GOOD ADHESIVE PROPERTIES**
- * **FLEXIBLE AFTER CURING**
- * **FOR SERVICE APPLICATION, EASY TO USE**

GENERAL DESCRIPTIONS:

ELECTON 45RT is single component, electrically conductive, silver filled lacquer. This lacquer is especially prepared for room temperature applications. This is very good for repairing, service and production applications when room temperature drying is necessary. It is room temperature drying formulation and it has moderate drying time.

ELECTON 45RT has good and stable electrical conductivity. It is easy for use especially by brush, stick or dispensers.

SPECIFICATIONS:

Number of components	One
Consistency	Floable fluid
Color	Dark silver
Percentage of silver (inside ready paste)	53 ± 1%
Specific gravity	1.7 – 2.0 g/cm ³
Viscosity (*)	4 300 – 4 800 cps
Recommended curing schedule with air-circulated oven	60°C – (2 – 3) hours. 150°C – (25 – 35) min.
Curing with IR tunnel oven	15 – 25 min. <i>total time with (80 – 100)°C in peak.</i>
Acceptable curing conditions	Room temp. 24 hours
Electrical resistivity (<i>curing at recomm. conditions</i>)	(4.5 - 5.5) x E(-5) Ωm (4.5-5.5) x E(-3) Ωcm
Electrical resistivity (<i>after 3 days curing at room temp.</i>)	(1.2 - 1.4) x E(-5) Ωm (1.2-1.4) x E(-3) Ωcm
Adhesion test (<i>pull test</i>) (**)	pass
Pencil hardness	4H pencil test.
Shelf life	6 months (when storage at 10°C – unopened)

(*) - Brookfield DVII; SPDL#4; 10 rpm; 25°C.

(**) - 3M tape SC600.

ATTENTION:

1. Product is ready for use, but should be mixed very thoroughly before use using wood or plastic spatula. Mix smoothly from the bottom of the container. Mix carefully - not to whip air into the product. ***INSURE ELECTON 45RT IS AT ROOM TEMPERATURE WHEN YOU WILL START WORKING WITH.***
2. Prepare consistency before use according your SPECIFICATION.
3. If you need, use AXMC **TH # 45RT** thinner. Thinner will change paste resistivity. Pls, do not exceed 1% of weight. After first tests pls let us know about your viscosity requirements – we will be able to change it for you.
4. Keep container closed. If open, thinner will evaporate quickly.
5. Low conductivity and poor adhesion performance are symptomatic that paste is under curing conditions.
6. Refrigeration during shelf time is useful. Keep container with lacquer in temp. no less 10 C. Before use, increase paste temperature very slowly.
7. Use paste with adequate ventilation.
8. Avoid skin and eye contact. If ingested, consult a physician immediately.
9. Clean by acetone or other suitable solvents.

This information is based on data and tests believed to be accurate. **AMEPOX MC** makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with the use or inability to use this product.

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