
Nm™
Nanoman
THE SCIENCE of PROTECTION

# ELECTRICAL + CIRCUITS

## Protective Coating for Electrical Circuits

Nanoman Electrical + Circuits protects electronic devices and installations from all forms of moisture as well as from rust and corrosion. Using the latest development in nanotechnology to produce a coating that is both restrictive and conductive, Nanoman Electrical + Circuits has dialectic properties which improve insulation resistance and prevents leakage. At the same time, the protective layer also improves the surface's electric conductivity. Nanoman Electrical + Circuits displaces moisture and forms an elastic protective coating, which remains flexible and protects the surface from both short circuiting and oxidation. Formulated from a mixture of highly refined mineral oil, anti corrosive additives, anti oxidants, dearomatised paraffins and naphthenic hydrocarbons, the coating pushes moisture away from all electrical connections and equipment, to maintain the electrical circuit. Air and moisture are prevented from penetrating the coating preventing oxidation and electrical breakdowns.

### APPLICATIONS

- Electrical circuits, equipment and devices particularly those subject to possible outage or short-circuiting due to moisture.
- Electrical marine equipment to prevent rust and corrosion.
- Cooling and air conditioning equipment.
- Railway and mining machinery, equipment, and electrical devices, including junction boxes and signal installations.
- Telecommunications equipment including pits and satellite equipment.
- Circuit boards and flexible equipment and connections.
- Electrical wires, contacts, ignition systems, fuses, switch appliances, gates and security equipment.

### UNSUITABLE APPLICATIONS

- Exposed connections, external circuits or electronics that are susceptible to dust, (please use Nanoman Electrical + Circuits DRY).

NANOTECH PRODUCTS
UNIT 3, 40 RICKETTS RD, MOUNT WAVERLEY, VIC 3149
PH: 1300 696 266

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## Protective Coating for Electrical Circuits

### FEATURES and BENEFITS

- Protects electrical and electronic equipment from exposure to all forms of water; steam, humidity, condensation, fog, rain, flooding, chlorinated and salt water.
- Restores, preserves and improves the insulation performance of electrical equipment in wet environments.
- Restores electrical connectivity of devices affected by moisture, including oxidation and corrosion.
- Flexible coating so can be applied to moving parts and flexible devices.
- Completely effective in extreme temperatures (-20°C to +130°C).
- Prevents costly electrical outages and the damaging effects caused by rust and corrosion.
- Reduces maintenance, equipment replacement and labour costs.

### KEY FACTS

- Available in 125ml, 250ml, 1L and larger trade sizes.
- Completely effective within 2-3 minutes, fully cured in 10 min.
- Is not water soluble and does not emulsify.
- Does not contain polycyclic hydrocarbons, fluorinated or chlorinated hydrocarbons, resins, silicones, teflon or aromatic compounds.
- Effective life approximately 12 months (depending on mechanical strain).
- Also available as a dry film coating, Nanoman Electrical + Circuits DRY.

ALSO AVAILABLE IN "DRY" FORMULATION

| ELECTRICAL + CIRCUITS | ELECTRICAL + CIRCUITS **DRY** |
|---|---|
| Not abrasion resistant, but easier to reapply | Abrasion resistant in cases of wear and tear due to vermin |
| Not resistant to dust due to its intrinsic oily nature | Resistant to dust due to nature of flexible end film |
| Suitable for moving parts, as it also works as a lubricant + rust preventive **while** coated parts are in motion | Not suitable for moving parts. Ideal for Circuit boards inside white-goods (in most cases). Only relevant for use on static objects. |
| 10 minute curing time | 24 hour curing time |

IMPORTANT: FOR SPECIFIC APPLICATIONS NOT COVERED IN THIS DOCUMENT PLEASE CONTACT NANOTECH PRODUCTS TO ASSESS SUITABILITY BEFORE USE OF NANOMAN ELECTRICAL + CIRCUITS. ALWAYS CONSULT TDS PRIOR TO ANY APPLICATION OF PRODUCT.

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