



THE SCIENCE of PROTECTION

## ELECTRICAL + CIRCUITS DRY

### Protective Dry Coating for Electrical Circuits

Nanoman Electrical + Circuits Dry is a solvent based corrosion and dewatering protection. Due to its ability to form a flexible, abrasive resistant dry film on the surface of the coated objects, it can be used to protect PCB's and other electronic devices from getting short circuited by water or humidity and also protects the parts from corrosion. Due to the dry surface with a high flexibility it resists bugs that might cause short circuits and does not attract dust and other residues from the environment, thereby making it ideal for external/exposed applications.

#### 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, optic fibre connections and satellite equipment.
- Circuit boards and flexible equipment and connections.
- Electrical wires, contacts, ignition systems, fuses, switch appliances, gates and security equipment.
- Not suitable for moving parts.

#### KEY FACTS

- Available in 125ml, 250ml, 1L and larger trade sizes.
- Touch dry in 2hrs, fully cured in 24hrs.
- 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).





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### 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.
- Completely effective in extreme temperatures (-20°C to +80°C).
- Prevents costly electrical outages and the damaging effects of rust and corrosion.
- Safety against electrocution hazards.
- Reduces maintenance, equipment replacement and labour costs.

ALSO AVAILABLE IN "WET" 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 <b>while</b> 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.