

Technical Data Sheet

ECS URETHANE RED

Article Number 773.400 / 400 ml

Product Description

URETHANE RED is a red pigmented, high-quality single component polyurethane lacquer with excellent insulating properties. It offers a high surface resistance and dielectric strength. URETHANE RED is stable to humidity, acids and bases. The lacquer is flexible, abrasion-resistant and has a longlasting high bonding strength in the temperature range from -40°C to +130°C. URETHANE RED guarantees a longlasting protection even in humid and aggressive environmental conditions.

Applications

URETHANE RED is multifunctional. It guarantees a longlasting protection of coils, electric motor windings, controls, commutator ends, controls, transformer connectors, bus bars, solenoids, tools housings, etc. It stops creepage current on electric appliances, eliminates short-circuits on coils and transformers, protects components from condensation water and humidity, insulates wires and cables permanently. URETHANE RED, due to its hard, flexible film guarantees a permanent protection and stability of equipment exposed to aggressive high chemical or mechanical stress conditions.

Directions

The surface to be treated have to be free of dust, oil, greases, wax, paint- and flux residues. We recommend ECS CONTACT CLEANER for pre-cleaning. Shake the aerosol well until the mixing-ball are hearable rattle and freely move in the can. Spray on the whole surface, maintaining a distance of approximately 20-30 cm, otherwise the film applied, will flow. Apply a second layer after 24 hours. URETHANE RED is, after 120 minutes, dry to touch. The total curing time can vary due to the environmental conditions. After usage turn the can up-side down, re-activate the spray-head several times until only propellant escapes. If the spray-head is clogged, clean it with URETHANE THINNER or acetone. Do not use close to flames, sparks or hot surfaces. Make sure that the electrical devices are switched-off and plug is taken out. Allow the solvents to evaporate completely before re-activating the equipment. Take care of good ventilation at your work-place. Cleaning instructions of appliance producer to be taken into account.

Storage / Shelf Life

5 years if stored correctly.



Technical Data

Appearance:	red-brown
Specific gravity:	0,77 g/cm ³
Drying time:	approx. 2,5 hours at 20°C - dry to touch approx. 8 hours after DIN EN 14022 cured
Temperature range:	-40°C up to +130°C
Viscosity Aerosol DIN EN ISO 2431:	13,1s
Viscosity Bulk DIN EN ISO 2431:	13,7s
Protection:	against diluted acids and alkalis humid salty, salty vapors, alcohol fungus, chlorinated solvents thermal and mechanical stress
Dielectric strength:	72 kV/mm
Creep resistance:	> 600 V
Flow resistance:	5,75 x 10 ¹⁴ Ω
Surface resistance:	1,49 x 10 ¹³ Ω
Dielectric constant:	2,21 (100Hz)
Adhesion to copper plates:	GT 0 at DIN EN 2409

