

Technical Data Sheet

ECS Urethan Clear

Art. Nr. 771

Product Description

URETHANE is a high-quality single component polyurethane lacquer, particularly suitable for the electronic industry. URETHANE protects and insulates PC boards, electrical motors, transformers, electronic equipment and components. It offers protection from damaging environmental conditions such as humidity, salty corrosive vapours, fungus, thermal and mechanical stress. URETHANE forms a hard, stable, flexible, non conductive and wearresistant film with excellent adherence, mainly used as a protection and sealing of printed circuits boards. It is used as a resistant, protective conformal coating for electric motors, transformers and other equipment and components. Particularly suitable for preventing damage caused by moisture, corrosion and chemical agents. URETHANE contains an UV indicator for quality control.



Application

Protection of printed circuit boards, components, wires, cables, etc. URETHANE CLEAR eliminates or prevents creeper current, corona effects, short circuits or discharges. It is also suitable for corrosion protection of parts subjected to bad atmospheric conditions.

Please note

First clean surface. Shake the can well before first use.
Apply a uniform layer maintaining a distance of approx. 30 cm. If required, apply a second layer after 24 hours.
URETHANE CLEAR is dry to permit handling within 120 minutes (curing time may differ depending on conditions).
After use, turn can upside down and press spray button several times. If spray nozzle gets clogged, clean it using acetone.

Storage / Shelf Life

Shelf life is 5 years if stored correctly.

Technical Data

Appearance:	Slightly yellowish
Specific gravity:	0,77 g/cm ³
Drying time:	Appr. 2 hours at 20°C - dry to touch Appr. 8 hours after DIN EN 14022 cured
Drying time in an oven at 60°:	10 min
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, thermal and mechanical stress chlorinated solvents
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 after DIN EN 2409

