

# Technical Data Sheet

## ECS Plastic

### Art. Nr. 770

#### Product Description

PLASTIC is based on an acrylic resin particularly suitable for the electronic industry. It forms a shiny, flexible and protective film that is resistant to acids, salt, fungus, corrosive vapors, thermal stress, mechanical abuse, alkalis, alcohols, moisture, and tough environmental conditions. It retains its effectiveness within a wide range of temperatures from  $-70^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ . The lacquer adheres to various materials such as metal, plastics, wood, cardboard, glass etc. PLASTIC does not drip and permits soldering through its own layer. PLASTIC contains an UV indicator for quality control. PLASTIC meets MIL-I-46058C. „Type Acrylic Resin“. PLASTIC protects printed circuit boards, components, wire cables, etc. Elimination or prevention of creepage current, corona effects, short-circuits or discharges. PLASTIC seals out water, dirt and moisture and is an ideal corrosion protection of parts subjected to bad atmospheric conditions. It is water proofing of various materials such as cardboard, wood, leather, etc.

#### Application

Protection of printed circuit boards, components, wires, cables etc. Elimination or prevention of creepage current, corona effects, short circuits and discharges. Corrosion protection of parts subjected to bad atmospheric conditions. Waterproofing of various materials such as cardboard, wood, leather etc.

#### Please note

Surface to be treated has to be free of greases, oil, wax etc. Spray on the whole surface of parts to be treated, maintaining a distance of approximately 30 cm, otherwise the layer applied will flow. Should the spray nozzle get clogged, clean it using a thinner, acetone or turpentine.



#### Technical Data

Color:	Transparent
Odor:	Solvent
Specific gravity (20° C):	0,88g/cm <sup>3</sup>
Drying time at room conditions:	25 min dry to touch 48 hours totally cured
In an oven:	first 10-15 minutes at room temp then 2-4 hours at 60-70° C
Necessary coat thickness:	20 - 50µm
Coverage:	5 – 8m <sup>2</sup> / 400ml can
Temperature resistance:	-70 up to +120° C
Viscosity:	12 s (DIN 53211)
Resistance:	To acids, salt, corrosive vapors, thermal stress, alkalis, moisture
Surface resistance:	5 x 10 <sup>14</sup> Ω
Contact resistance:	10 <sup>14</sup> Ω
Dielectric strength:	21 kV/mm
Leakage current resistance (CTI):	> 600 Ω

#### Storage / Shelf Life

Shelf life is 5 years if stored correctly.

