September 2021

Engineering Adhesives **TECHNICAL DATA SHEET**

HYSTIC® AC801

Electronic Materials

Solvent-base Acrylic Conformal Coating

Material Description

HYSTIC® AC801 is a single component, clear acrylic conformal coating. The coating is sprayed brush-applied and dip-applied, and air dries tack-free to provide a tough environmental coating. The material provides protection of print circuit boards, electronic components, thick-film circuits and other substrates. It contains fluorescent indicator and is easy to repair.

Typical Application

- Single Component
- Fast Drying
- Fluorescent indicator
- Easy to Repair
- UL94 V-0 Flame Resistance
- Protective coating of electronics and circuits. Resist moisture, water, corrosive gas, chemicals.

Curing Condition

Recommended cure @ 80um

• Tack-free time (min) : 5min @80°C
• Full cure(h): 24h

Contact HB Fuller technical support for additional curing recommendations.

Typical Uncured Properties	
Property	**Value**
Raw material	Modified Acrylic Resin
Color	Clear
Viscosity, cps	40
Specific gravity, g/cm^3	0.80

Typical Cured Properties Cured under 80°C for 5min	
Property	**Value**
Operating time, °C	-40~120
Elongation, %	20
Hardness, Shore A	60
Film thickness, um	25-100
Volume resistivity, ohm.cm@25°C	3X10^{15}
Dielectric constant, 1MHz	3
Dielectric strength, kV/mm	50

Application Instructions

1. Surface should be free of flux, grease, ionic residue or any other contaminates.
2. Brushing or dipping PCB with adhesive, according to selected application.
3. Cured coatings may be removed by soaking in professional cleaning agent.

Storage Conditions

The product should be stored in a cool, dry area in unopened containers between 8-25°C
Shelf life is 12 months from date of manufacture.

Clean Up

Equipment, brushes, and spillage can be cleaned promptly after use with a mixture of anhydrous isopropyl alcohol and acetone that should be discarded after each use.

Please consult your H.B. Fuller technical representative for additional recommendations.

Health & Safety Precautions

Please see the Material Safety Data Sheet (MSDS) for proper handling and disposal instructions.

Note

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications.
For assistance in writing a material specification please contact H.B. Fuller Company.

Conversions

cP x 1000 = mPa·s x 1000 = Pa·s
(°C x 1.8) + 32 = °F
µm / 25.4 = mil
mm / 25.4 = inches
N x 0.225 = lb
N/mm² x 145 = psi
N/mm x 5.71 = lb/in
MPa x 145 = psi
N·m x 0.738 = lb·ft
N·m x 8.851 = lb·in
N·mm x 0.142 = oz·in
kV/mm x 25.4 = V/mil