

ShieldSys™ Conformal Coating Systems

ShieldSys™ Benefits:

- Advanced Chemistry & Superior Performance
- Cost-Effective, Efficient PCB protection
- Specialized Formulations
- Solvent-free, no-VOC solutions
- Alternatives to DOWSIL™ 1-2577
- Excellent High and Low Temperature attributes

Typical Physical Properties	DOWSIL™ 1-2577	ShieldSys™ 464	ShieldSys™ 466
Solvent Content	70%	100 %	100%
Viscosity (cps)	950	210	550
Specific Gravity	1.04	0.98	0.97
Zero VOC	NO	YES	YES
Cure Mechanism	Room Temp	Heat	Room Temp
Tack-Free Time (minutes)	7	N/A	5
Cure Time (Room Temp.)	72 hrs	N/A	72 hrs
Cure Time (Heated to 105°C)		Instant	
Shore A Durometer	80	35	22
Dielectric Strength (volts / mil)	400	500	508
Dielectric Constant (100 Hz)	2.74	2.40	2.60
Dissipation factor (100 Hz)	0.0042	0.001	0.01
Volume Resistivity (ohm*cm)	5E+13	5E+14	1E+15

DOWSIL™ is a trademark of The Dow Chemical Company
1666-9M

For further technical information call 800.992.2424 or 203.743.4447
For product sales: CT 800.442.3424, CA 800.771.8161, IL 800.447.4866, Canada 800.307.2199
www.miller-stephenson.com

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