



Dow Performance Silicones
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Dow Introduces DOWSIL™ CC-3122 Conformal Coating for Reliable, Fast-Curing, Solvent-Free Protection of Printed Circuit Boards

New product is first in what will be a new portfolio of high-performance, fast-curing, solvent-free conformal coatings

AUBURN, MICH. – February 27, 2018 – Dow Performance Silicones, a unit within Dow Chemical Company's Consumer Solutions business and a global leader in silicones, silicon-based technology and innovation, today introduced DOWSIL™ CC-3122 conformal coating, a solvent-free silicone formulation offering excellent protection of printed circuit boards (PCBs) targeting transportation, aerospace, consumer and industrial applications.

"This innovative new silicone solution demonstrates the power of Dow materials science when combined with our collaborative approach to addressing industry demands," said Yasuaki Futagami, marketing manager, PCB and System Assembly at The Dow Chemical Company. "The first product in what is to be a broader portfolio of solvent-free conformal coatings, our new DOWSIL CC-3122 coating delivers long-term reliability in extreme environmental conditions."

DOWSIL CC-3122 coating offers a very low viscosity (80 cp) and a low coefficient of kinetic friction to flow freely into fine pitches and narrow gaps or spaces on PCBs and components. This faster-flowing, moisture-cured material supports manual or automated spraying for faster processing times. Oven heat is not required, but the optional application of mild heat can dramatically accelerate its already rapid cure rates.

After cure, DOWSIL CC-3122 delivers high hardness (75 Shore A) to protect sensitive board components. Its post-cure surface exhibits low tack to minimize dust pickup. It further provides controlled volatility for preventing silicone contamination and contains an aid for preventing against sulfur corrosion. DOWSIL CC-3122 has been tested and validated to meet automotive industry standards for reliability.

The material is available to Dow Performance Silicones' customers worldwide.

About Dow Performance Silicones

Performance Silicones, a unit within Dow's Consumer Solutions business, delivers a portfolio of performance-enhancing solutions to serve the diverse needs of customers and industries around the world. From transportation and lighting to building and construction and chemical manufacturing, Dow's Performance Silicones business helps our customers solve their most challenging problems. As a global leader in innovation and silicon-based technology, we are committed to bringing new solutions to the market that do more for our customers and continue to improve the lives of consumers worldwide. Visit <https://consumer.dow.com/en-us.html> to learn more.

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About Dow

The Dow Chemical Company (Dow) combines science and technology knowledge to develop premier materials science solutions that are essential to human progress. Dow has one of the strongest and broadest toolkits in the industry, with robust technology, asset integration, scale and competitive capabilities that enable it to address complex global issues. Dow's market-driven, industry-leading portfolio of advanced materials, industrial intermediates, and plastics businesses deliver a broad range of differentiated technology-based products and solutions for customers in high-growth markets such as packaging, infrastructure, and consumer care. Dow is a subsidiary of DowDuPont (NYSE: DWDP), a holding company comprised of Dow and DuPont with the intent to form three strong, independent, publicly traded companies in agriculture, materials science and specialty sectors. More information can be found at www.dow.com.

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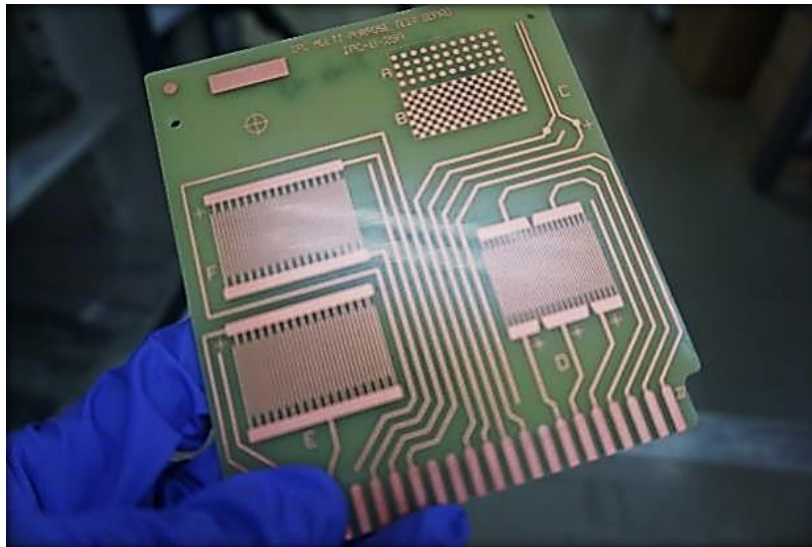
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Dow Performance Silicones introduced DOWSIL™ CC-3122 conformal coating, the first in what is to be a broader portfolio of solvent-free silicone formulations offering excellent protection of printed circuit boards (PCBs) targeting applications in transportation, aerospace, consumer and industrial markets. Courtesy of Dow Performance Silicones.