



The Dow Chemical Company
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dow.com

Dow's New DOWSIL™ EA 3500G Fast Cure Adhesive Delivers Uniquely Rapid and Cost-Effective Processing of LED Lighting and Other Assemblies

New room-temperature cure formulation delivers primerless adhesion within minutes to most substrates and provides long-lasting reliability under demanding conditions.

MIDLAND, Mich. – June 12, 2018 – Dow Performance Silicones, a global leader in silicones, silicon-based technology and innovation, today unveiled DOWSIL™ EA 3500G Fast Cure Adhesive, an advanced new silicone capable of building primerless adhesion within 10 minutes at room temperature – effectively delivering the rapid processing speed typical of a heat-cure adhesive in a cost-efficient moisture-cure formulation. DOWSIL™ EA 3500G Fast Cure Adhesive also retains its physical and electrical properties at temperatures ranging from -45°C to 200°C (-49°F to 392°F), ensuring the reliability and service life of LED lamps and luminaires, as well as home appliances, mobile devices, industrial circuit boards and other components to which it is applied.

“LED lamps and luminaires represent an ever-growing share of the general lighting market, which places rising pressure on manufacturers to increase production volumes while maintaining cost efficiencies,” said Peter Wang, global market segment leader, Dow Performance Silicones. “DOWSIL™ EA 3500G Fast Cure Adhesive offers a targeted solution for these difficult goals, and exemplifies the proactive and collaborative innovation that Dow Performance Silicones applies to its customers’ challenges.”

A two-part, room-temperature vulcanizate (RTV) silicone, DOWSIL™ EA 3500G Fast Cure Adhesive cures rapidly at room temperature after mixing, and adheres to most substrates, including aluminum, glass and polybutylene terephthalate (PBT). The rapid cure of this high-performance silicone enables handling and assembly of components within minutes to support faster processing. Full adhesion is achieved after several days as cure progresses evenly throughout the material, allowing deep-section or confined space cure.

Dow's new fast-cure RTV adhesive is available globally under the new DOWSIL™ label, which builds on seven decades of innovation and proven performance from the heritage Dow Corning silicone technology platform.

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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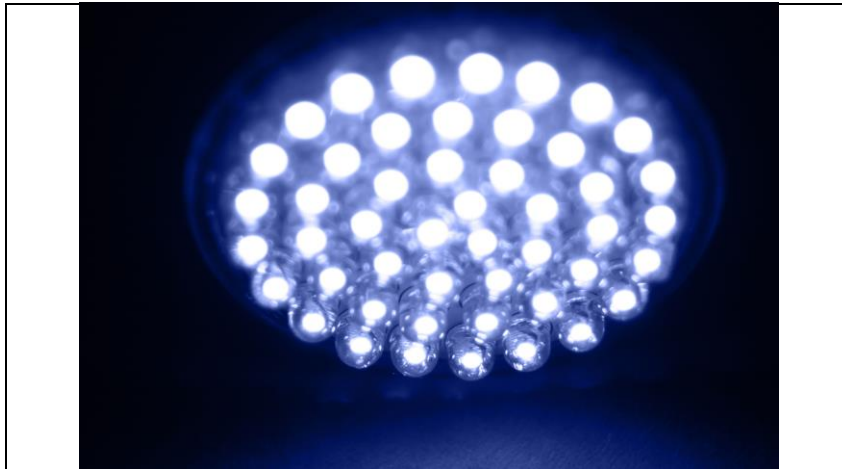
The Dow Chemical Company (Dow) combines science and technology knowledge to develop premier materials science solutions that are essential to human progress. Dow has one of the strongest and broadest toolkits in the industry, with robust technology, asset integration, scale and competitive capabilities 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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Dow introduces DOWSIL™ EA 3500G Fast Cure Adhesive, an advanced new silicone capable of building primerless adhesion within 10 minutes at room temperature – effectively delivering the rapid processing speed typical of a heat-cure adhesive in a cost-efficient moisture-cure formulation. The material retains its physical and electrical properties at extreme temperatures to ensure the reliability and service life of LED lamps and luminaires, as well as home appliances, mobile devices, industrial circuit boards and other components to which it is applied. Courtesy of Dow.