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Dow's New DOWSIL™ EI-2888 Primerless Silicone Encapsulant Protects LED Luminaires in Harsh Environments While Solving Processing and Cost Challenges

Patented innovation combines primerless adhesion with inhibition resistance, optical clarity, low viscosity, and UL 94 compliance in a 100 percent silicone (PDMS) formulation

MIDLAND, Mich. – February 14, 2019 – Dow, a global leader in silicones, silicon-based technology and innovation, today unveiled [DOWSIL™ EI-2888 Primerless Silicone Encapsulant](#), an optically-clear silicone for professional LED lighting that cures at room temperature. This advanced silicone technology provides superb optical performance without compromise and offers unique rheological properties for use with light fixtures in a variety of shapes and forms. Designed for explosion proof and high ingress protection rated luminaires, DOWSIL™ EI-2888 Primerless Silicone Encapsulant is also cost-effective to buy and use as its patented composition does not contain platinum— unlike other silicone solutions currently available on the market.

Dow's experts Julien Renaud, technical service and development senior professional, and Thierry Cooremans, technical service and development specialist, will provide an in-depth technical review of the company's new DOWSIL™ EI-2888 Primerless Silicone Encapsulant during a [webinar](#) the company will be conducting on February 21, 2019 at 9:00 am Eastern Standard Time. [Register here.](#)

"LED luminaires in harsh environments need protective materials that are reliable, easy to apply, and that provide robustness of cure," said Konstantin Sobolev, strategic marketing manager for Dow and one of the presenters for the February 21 webinar. "DOWSIL™ EI-2888 Primerless Silicone Encapsulant eliminates a time-consuming processing step and reduces waste that can occur if curing is compromised by surface contaminants or moisture. This low-viscosity silicone also dispenses readily and adheres reliably without sacrificing optical properties. DOWSIL™ EI-2888 Primerless Silicone Encapsulant is an excellent choice for many professional applications, including explosion proof lighting, outdoor displays, and flexible and rigid LED strips."

A two-part protective material with a 1:1 mix ratio, DOWSIL™ EI-2888 Primerless Silicone Encapsulant cures at room temperature with optional heat acceleration. This UL 94 compliant, 100 percent polydimethylsiloxane (PDMS) silicone provides even curing and is insensitive to inhibition, a typical issue for platinum catalysts; and material reversion, a traditional problem in enclosed spaces at high temperatures. DOWSIL™ EI-2888 Primerless Silicone Encapsulant can be applied with automated static or dynamic metered mixing, manual mixing, or with flow, pour or needle dispensing equipment. This novel self-priming encapsulant adheres to a variety of substrates and supports the design of innovative LED luminaires in IP-rated enclosures.

Dow's new primerless encapsulant is available globally under the DOWSIL™ label, which builds on seven decades of innovation and proven performance of the Dow silicone technology platform.

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About Dow Performance Silicones

Dow Performance Silicones, a business unit of Dow, delivers a portfolio of performance-enhancing solutions to serve the diverse needs of customers and industries around the world. The business uses innovative silicon-based technology to provide solutions and ingredients to customers in commercial construction and high-performance building, consumer goods, silicone elastomers, and pressure sensitive industries. As a global leader in innovation and silicone technology, we are committed to bringing new and proven solutions to the market that do more for our customers and continue to improve the lives of consumers worldwide. Visit consumer.dow.com to learn more.

About Dow

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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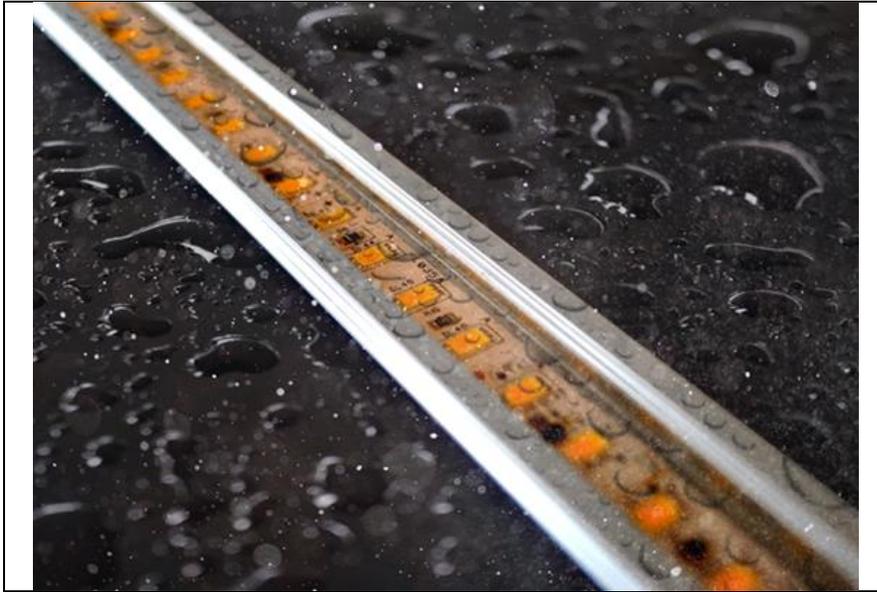
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