



actnano, Inc.'s ANG 420 Wins 2026 Mexico Technology Award

MALDEN, MASS., October 7, 2026 – actnano, Inc., a global leader in surface protective technologies for automotive, consumer and industrial electronics, has received a 2026 Mexico Technology Award in the category of Conformal Coating Treatments for its ANG 420 coating. The award was presented during a ceremony held before SMTA Guadalajara 2026 on Wednesday, October 7, 2026, in Guadalajara, Jalisco, Mexico.

ANG 420 is a next-gen coating that delivers reliable environmental protection while simplifying the coating process for electronics manufacturers. Designed for high-reliability applications, the gel-state coating provides excellent hydrophobicity and electrical insulation across a wide range of electronic assemblies while maintaining performance through extreme temperature cycling.

Addressing a Manufacturing Bottleneck

ANG 420 is engineered for high-reliability applications across automotive, industrial, and aerospace electronics.

The formulation provides consistent hydrophobicity and dielectric insulation through extreme temperature cycling, yet its key market differentiator lies in process efficiency:

- **Eliminates masking:** Coating maintains electrical continuity at contact points post-application, enabling a true plug-and-play process without tape or stencils.
- **Room-temperature cure:** Single-step application cures rapidly without oven processing, reducing energy consumption and floor space requirements.
- **No keep-out zones:** UV-inspectable and touch-dry within minutes, simplifying handling in both manual and automated lines.

ANG 420 was developed to remove the process friction that traditional conformal coatings create including masking, oven curing, and inspection bottlenecks. This award validates that approach.

The company notes that the coating is compatible with existing standard spray and dispense equipment, requiring no specialized capital expenditure. For high-reliability sectors where protective coating is non-negotiable such as automotive power electronics and industrial motor drives, ANG 420 enables manufacturers to reduce both cost-per-board and cycle time.





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Mexico's electronics manufacturing ecosystem, particularly in Guadalajara's cluster, has become a critical hub for automotive and IoT device production. With North American supply chain reshoring accelerating, process-efficient materials like ANG 420 offer a direct path to improved overall equipment effectiveness (OEE) without retooling.

The Mexico Technology Awards recognize the most recent technological innovations in Mexico's manufacturing landscape, spotlighting achievements by OEM manufacturing equipment and materials suppliers over the past year. For more information about the awards, please visit:

www.mexicoems.com/mta-awards.

To learn more about ANG 420 and actnano's full line of advanced protective coatings, visit:

www.actnano.com

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