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Aculon Announces Launch of NanoProof 8.0 Electronics Waterproofing Technology

SAN DIEGO, Calif. (January 4, 2017)- Aculon, Inc is pleased to announce the launch of their latest generation of PCB waterproofing technology, NanoProof 8.0. This new low cost thixotropic formulation is not just new and improved, but game changing. The electronics industry can now achieve the IPX-7 (30 minutes submersion in water at a depth of 1 meter) and beyond levels of waterproofing that is so desired by mobile device manufacturers.

With the launch of Aculon NanoProof® treatments in 2015, a new category of electronics waterproofing technology was created - hydrophobic coatings that are applied inline and deliver the benefits of conformal coatings, but with the added benefit of push through connectivity. NanoProof treatments also eliminated prior requirements for costly capital investment, masking, and bottlenecking batch processes.

While the initial NanoProof solutions could outperform the existing options by creating IPX 5-6 levels of performance, achieving the goal of IPX 7 proved challenging. The new NanoProof 8.0, a hydrophobic polyolefin solvent based treatment, achieves IPX-7, allows for push through connectivity, and can be applied using standard equipment produced by manufacturers e.g. PVA and Nordson Asymtek.

[Click here](#) for the video demonstrating the IPX-7 performance on a Samsung phone.

NanoProof 8.0 builds on the NanoProof series that has already been successfully implemented in numerous applications including: hearing aids, bluetooth devices, and household "smart" electronics, and is now in test with all the major mobile manufacturers. NanoProof 8.0 provides extreme levels of water protection with an easy-to-apply liquid treatment.

“The availability of NanoProof 8.0 treatment for waterproofing electronics represents a significant opportunity for the electronics industry,” said Edward Hughes, CEO of Aculon. “The ability to easily and inexpensively waterproof electronics with an easy to apply material is critical as manufacturers push the boundaries of electronics waterproofing demanding lower costs, easier processes, and significantly

more robust waterproofing performance.”

Learn more about NanoProof 8.0 and the other Aculon NanoProof products at <http://www.aculon.com/nanoproofpcbrepellency.php>.

About Aculon

Founded in 2004, Aculon specializes in inventing and commercializing unique molecular-scale surface and interfacial coatings leveraging nanotechnology discoveries made at Princeton University. The Company's breakthrough technology outperforms all known alternatives in characteristics such as repellency, particle treatments, and adhesion.

Key benefits of Aculon technology include:

- Repellency – Treat numerous surfaces to repel water, oil, solvents, and most all liquids.
- Particle Treatment – Functionalize nanoparticles to improve many characteristics such as hydrophobicity, oleophobicity, and adhesion.
- Adhesion – Boost the adhesion of challenging surfaces with Aculon’s adhesion promoting treatments.
- Value - Molecular scale modification can transform surfaces and interfaces to provide unique performance, simpler processes, and favorable economics.