

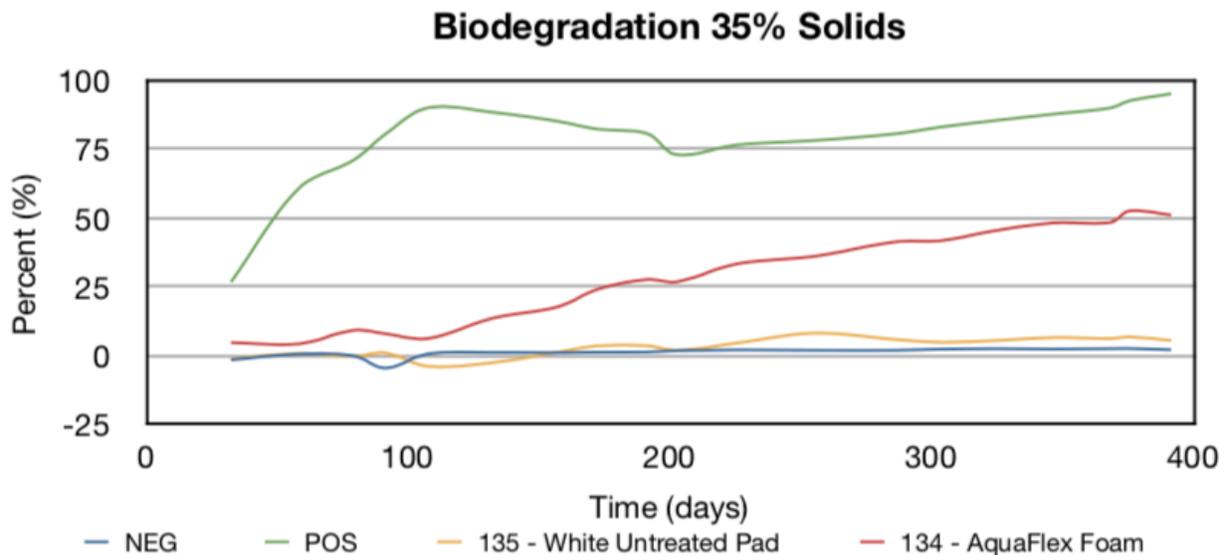
AquaFlex® Open-Cell Foam Proves Superior in Biodegradation Studies

HOUSTON, TX – November 9, 2018 – In 2018, Eden Research Laboratory completed independent biodegradation tests with AquaFlex open-cell foam technologies to determine the anaerobic biodegradation of the AquaFlex foam in accelerated landfill conditions. Without biodegradability, environmental foam and plastics may take between 500 – 1,200 years to break down, causing potential hazards to land and water sources, and contributing to excess waste and pollution. Internationally recognized ASTM D5526 tests representing landfill conditions showed that AquaFlex biodegraded over 50% in just over a year.

Results of all studies showed AquaFlex open-cell foam far surpassed the white polypropylene pad in biodegradation, which can reduce waste build up in our landfills while decreasing costs for organizations who adopt the AquaFlex technology.

Study #1

The first study tested AquaFlex foam versus a white polypropylene pad without oil contaminants.

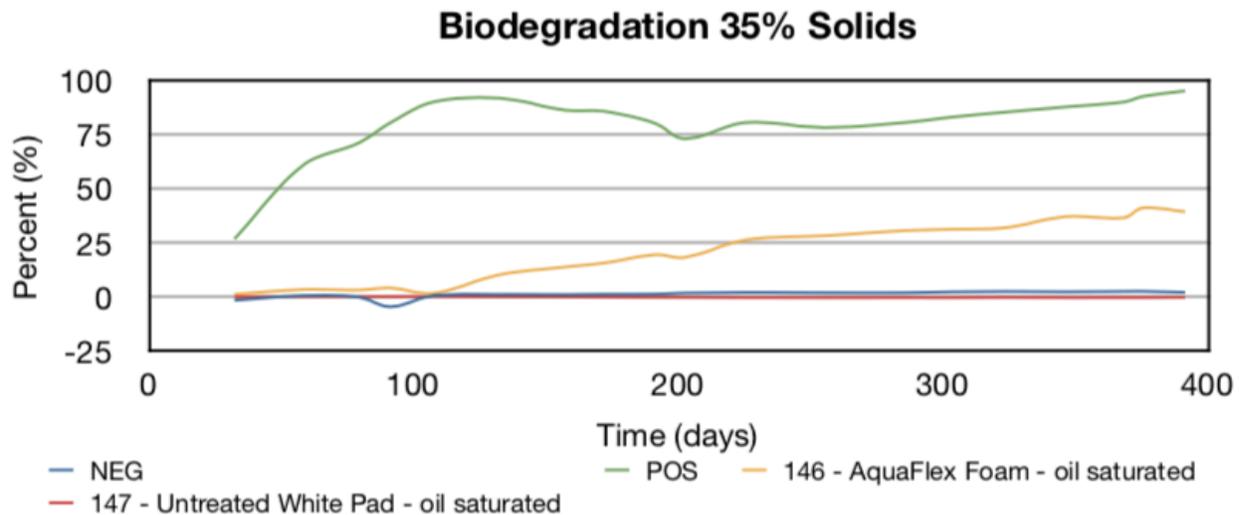


The above graph demonstrates the biodegradation percentage over a 391-day period. The standard white polypropylene pad sample (135) indicates virtually no biodegradation; while the AquaFlex foam (134) demonstrated approximately 51% biodegradation.

Study #2

The second study tested AquaFlex foam versus a white polypropylene pad *with* oil saturation. Both samples were completely saturated with oil, then wrung out of excess oil to simulate actual disposal conditions. After being wrung out, the AquaFlex foam maintained some residual oil, and the white polypropylene pad maintained almost all of the oil. After testing for biodegradability in a landfill for 391 days, the AquaFlex foam biodegraded at 39.3%; while the white polypropylene

pad showed little biodegradation at zero (0%). Even with residual oil left in the AquaFlex foam, it still demonstrated significant biodegradation in a landfill environment.



AquaFlex’s advanced, patent-pending, open-cell foam technology - managed by The Praescire Group - is the only technology capable of detecting and simultaneously removing contaminants from industrial spills, including oil and related chemicals and metals.

AquaFlex’s open-cell foam technology has been deployed in over 60 industrial contamination events since 2010. The technology is based on biomimicry of alveoli of the human lungs - where the open-cell foam effectively breathes in oil and related contaminants and exhales clean water at the same time. “This proven technology will continue to open new markets with water testing and remediation,” says Scott Smith, inventor of the open-cell foam technology.

The Praescire Group enables clients to develop their environmental plans, monitor operational performance against those plans, track spend, as well as manage response & recovery activities more cost effectively on one platform. The Praescire Group will be the exclusive channel to market for the oil industry for AquaFlex’s open-cell foam technology. “I was introduced to AquaFlex on the Macondo oil spill and was amazed at how it performed in a variety of different scenarios. It easily out-performs traditional sorbent pads and boom, both from an oil gathering as well as a cost perspective,” says David Kinnaird, Founder and Senior Advisor at Praescire Group.

The partnership between AquaFlex and The Praescire Group is driving accountability and quality assurance in the oil industry by increasing the availability and transparency of sampling, planning, preparation and recovery metrics. Oil companies will save unprecedented amounts of money by reducing waste, and the environment will receive a level of protection unsurpassed by any other product on the market.

AquaFlex Holdings LLC was incorporated by Scott C. Smith, an inventor and technology leader in cross-linked polyolefin (XLPO) foams. AF leads the market with innovative products to enable rapid oil-spill recovery, water-quality testing, and remediation. *Aqflx.com*

Praescire Group LLC delivers the E2MS™ technology solution and business advisory services to better enable leaders and first responders in efficient planning, preparation and recovery from natural and man-made disasters. *praescire-solutions.com*

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