AQUIPOR GREEN CONCRETE TECHNOLOGY TO MANAGE STORMWATER RUNOFF IN THE CITIES IN UNITED STATES

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Aquipor is a Washington State-based startup company developing high-performance, water-permeable concrete technology to manage stormwater runoff in cities across the United States. Using specialized materials and a proprietary additive, its concrete mimics soil to filter pollutants and recharge groundwater, with the aim of reducing urban flooding and updating aging infrastructure.

Aquipor's technology addresses the problem of how outdated infrastructure, impervious surfaces, and extreme weather have combined to bring unprecedented water-related risks to our cities.

Extreme weather is overwhelming the water infrastructure in our communities. Stormwater and urban flooding contribute over 10 trillion gallons of polluted runoff and wastewater to clean waterways in the U.S. every single year, impairing water quality and affecting ecosystems and human health.

Rapid urbanization has resulted in millions of square miles of impervious surfaces that contribute to stormwater runoff pollution and prohibit rain from soaking into the ground naturally. With nowhere to go, this polluted stormwater often ends up in ocean bays, rivers, and streams, or becomes floodwater during larger storm events.

AquiPor's porous concrete has been developed as an innovative pavement solution for capturing, filtering, and managing stormwater right where it falls. AquiPor's concrete products are produced using a partial net-zero concrete aggregate, helping lower the CO2 footprint associated with concrete production, and feature filtration characteristics that are capable of filtering stormwater pollutants, keeping them out of the natural water cycle. Along with its patented distributed water system for reinfiltrating clean water back into the ground, AquiPor is designed to help manage stormwater runoff pollution, alleviate urban flooding, and naturally recharge aquifers right in the urban environment.

AquiPor's porous concrete utilizes a permeable aggregate sourced from a novel Catalytic concrete mix that features a significantly lower CO2 footprint than normal concrete. As part of AquiPor's porous concrete matrix, this permeable aggregate

can help lower the overall CO2 footprint of concrete production and offer end-users a greener concrete alternative.

The Aquipor website presents the main features of this innovative material technology:

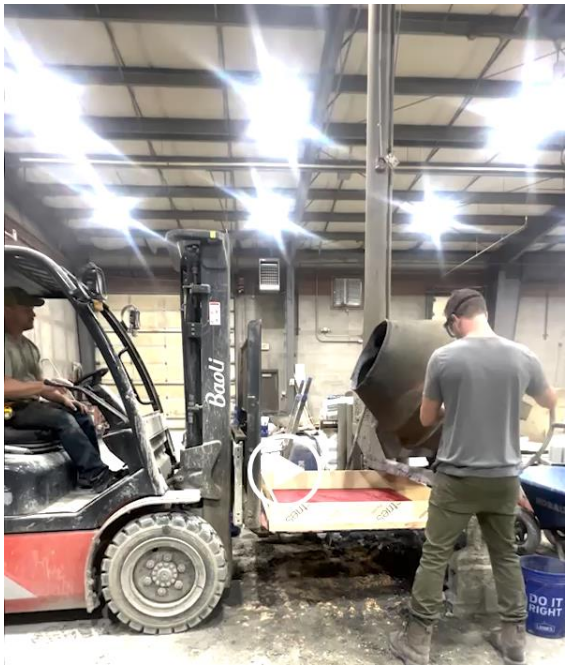
- *Inherently Eco-Friendly Concrete.* AquiPor's porous concrete is made from industrial by-products and doesn't use Portland cement. This means it does not require polluting and energy-intensive cement plants for our material.
- *New Material Technology. Better Products***.** The porous concrete is made with a proprietary, lightweight aggregate that facilitates permeability and stormwater filtration characteristics in our concrete. AquiPor can be used in place of traditional paved surfaces to manage stormwater right where it falls.
- *Compatible with Traditional Concrete Manufacturing***.** By blending the best performance aspects of our Catalytic concrete with the ease-of-production offered by traditional concrete technology, AquiPor's technology is fully compatible with precast and cast-in-place concrete production.
- *AquiPor Products can be Optimized for Different Uses***.** AquiPor is developing its permeable concrete technology to achieve a range of strength and permeability characteristics for different uses in municipal, commercial, and residential development.

AquiPor will engage larger residential and commercial developers, municipalities, urban planners, and environmental agencies with a pricing strategy based on project scope, offering a comprehensive approach to stormwater management.

In 2025, AquiPor successfully closed a crowdfunding campaign, raising over $1.3 million from 850 investors across the United States, allowing the company to achieve the following results presented on the website:

- Began manufacturing AquiPor material at project scale. Successfully manufactured its porous concrete pavers at commercial-scale.
- Installed multiple demonstration projects showcasing real-world performance.
- Completed advanced third-party testing and standardization work to validate and certify its product.
- Initiated discussions with public agencies to integrate AquiPor technology into future infrastructure, building a plan of activities for 2026 and 2027 for a new phase of commercialization and growth.

The company calls all interested actors to join the AquiPor team in its mission to help bring infrastructure into the 21st century, highlighting that "the challenges presented by urbanization, climate change, and dilapidated infrastructure are only getting worse, and the opportunity to make a difference is equally large". This new technology has attracted national attention. The BBC earth magazine mentions the Aquipor technology as one of six Incredible and Unusual Eco-Innovations, and the Aquipor company as paving the way for a greener urban landscape.



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