

Tempe, AZ ASU Art Museum

CEMEX pervious for Urban Heat Island mitigation research project

Strategy development for Urban Heat Island mitigation is a project of the U.S. Environmental Protection Agency's designated National Center for Excellence (NCE) in SMART Innovations for Urban Climate and Energy at Arizona State University. The NCE is an extension of the university's Global Institute of Sustainability and the Department of Civil and Environmental Engineering in the Ira A. Fulton School of Engineering. When the NCE was looking for a product that could demonstrate durability to carry the load of traffic in a normal parking environment, a product recognized by the U.S EPA for stormwater management and pollution control, and the ability to reduce the negative impact of Urban Heat Island Effect while protecting the ability of trees and other plant life to flourish in an area of intensive development, CEMEX answered the call by providing high quality pervious concrete.



Pervious concrete has already been recognized by the U.S. EPA for its water pollution control benefits, stormwater management characteristics, and its ability to recharge local aquifers by allowing the collected water to simply percolate back into the local soil. Additionally, pervious concrete allows both water and air to pass through it making it an important building material for the growth of the sustainable construction movement. Pervious concrete pavement is also recognized by the leading "Green Building" councils in the U.S. for enabling the integration of paving and drainage allowing for a smaller development footprint on land sites by reducing the amount of land required to manage on site stormwater.

The addition of color for this project showcases the versatility and architectural qualities of pervious concrete by CEMEX. By carefully controlling the amounts of water and cement in the creation of concrete paste that forms a thick coating around the aggregate, CEMEX can provide the highest quality pervious concrete in all of its nearly 300 ready mixed concrete plants across the U.S. With 19 ready mixed concrete plants in Arizona and 67 plants in California, CEMEX offers the best coverage for your major commercial, industrial, residential, and public works projects that require high performance concrete products in the West. Combined with our unsurpassed customer service and technical expertise, CEMEX is positioned to provide you with the greatest value, highest quality products, and vision as an innovative solutions provider, rather than simply just a material supplier.

The ASU Art Museum is but one of the many projects for which CEMEX has been selected to provide high quality pervious concrete. For more information regarding pervious concrete and other high performance concrete products please contact your local CEMEX representative.

Project Team:

- Agency: U.S Environmental Protection Agency
- Research Manager: Arizona State University, National Center for Excellence
- Facility Manager: Arizona State University Parking and Transit Services
- Contractor: Progressive Concrete Works, Inc.

