Ryan Henkensiefken, Central Concrete’s Business Development Engineer, partners with architects, engineers and LEED consultants and key customers to put his deep knowledge of concrete to work for them. Ryan conducts customer and partner visits, supports our partners with research and information in response to their customer’s requirements, identifies the offerings that match their requirements, and provides the necessary data to develop meaningful specifications very early in the design process. Prior to taking this position, Henkensiefken was the Technical Services Manager of U.S. Concrete’s National Research Laboratory, where he was responsible for advancing the performance of concrete and driving the creation of many innovative, cost-effective solutions. Henkensiefken was instrumental in the technical development of U.S. Concrete’s Environmentally Friendly Technology® Process, which uses alternative cement replacement materials to reduce the production of greenhouse gases. Henkensiefken is also one of the co-inventors of U.S. Concrete’s Aridus® Rapid-drying Concrete. The Aridus concrete is the first ready-mix concrete solution for preventing floor-covering failures. Aridus-based concrete dries faster than conventional concrete mixes, allowing flooring materials to be installed faster and more effectively. Henkensiefken holds a B.S. degree in civil engineering from Minnesota State University, Mankato, and an M.S. degree in civil engineering from Purdue University. He is currently pursuing his MBA from Santa Clara University. Henkensiefken is a licensed professional engineer in the state of California.

The Development and Commercialization of Low Portland Cement Concrete in the San Francisco Bay Area

Ryan Henkensiefken
Business Development Engineer

Central Concrete: At-a-Glance

Leader in Low-CO₂ concrete

Thousands of mixes – standard mixes are >50% cement replacement

We have delivered structural mixes with up to 70% cement replacement

PLEDGED Architecture 2030 for Products

FIRST U.S. Concrete Company to adopt EPDs for its mixes

Central Concrete Carbon Footprint

Central Concrete At-a-Glance

Quick Facts

60+ Year Bay Area Legacy

472 Employees

12 Year Bay Area Locations

229 Trucks

3 U.S. Companies

Concrete Company Business Unit
Primary mix:
70% cement replacement
Largest net-zero energy building in California

Concrete mixes will reduce overall carbon footprint by 23 million pounds of CO₂

50-75% cement replacement
7 day max. strength: 700 psi
90 day min. strength: 2000 psi
50% cement replacement

50% cement replacement materials
Ultra-low shrinkage
Low CO₂ concrete
Locally procured materials
Reduced CO₂ by 54%, or 7.4 million lbs. of CO₂ emissions

With the exception of evening, entirely lit by sunlight
Cathedral of Christ the Light

Central Concrete EPD

For more information contact:
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