



DPR Construction Headquarters

Low-Carbon Concrete Pour

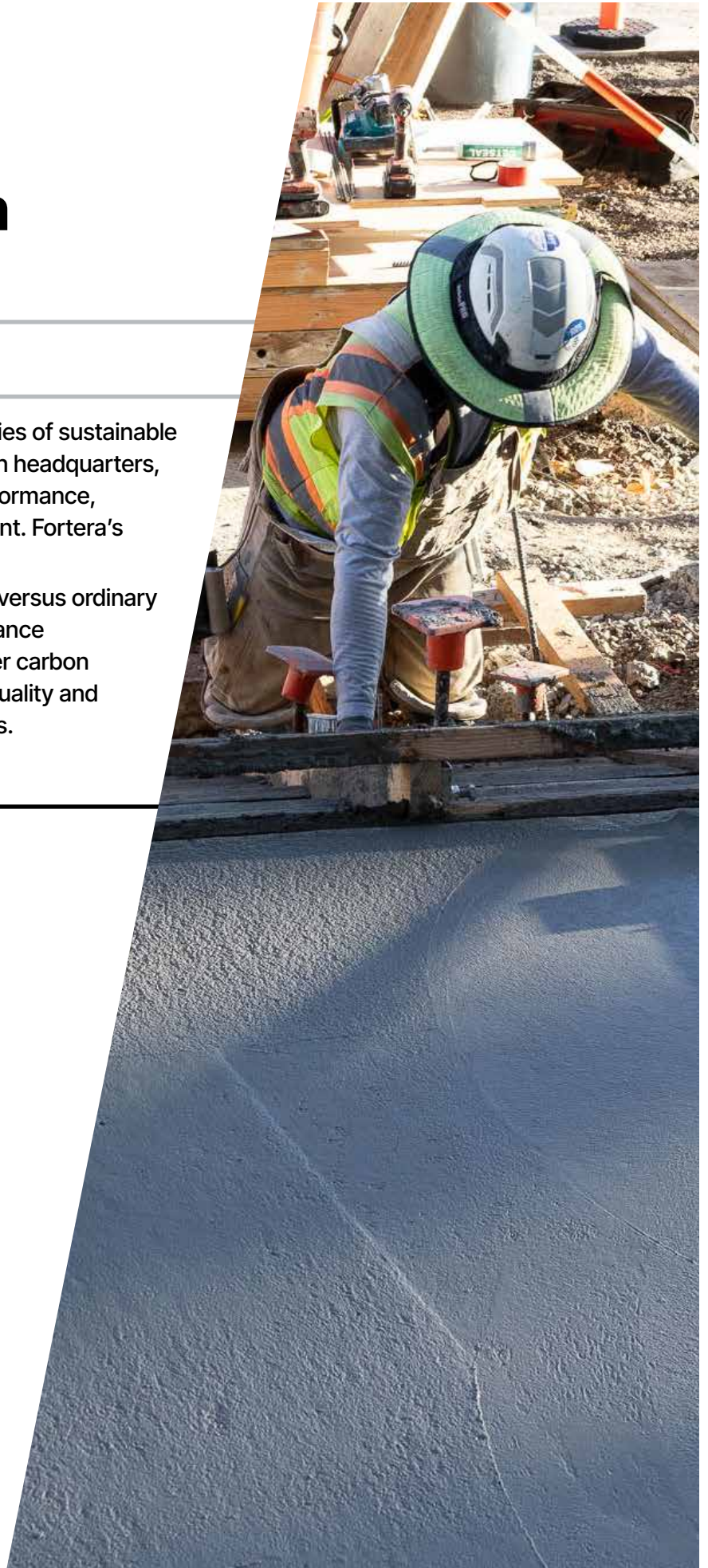
When a builder known for pushing the boundaries of sustainable construction set out to create a next-generation headquarters, DPR looked for materials that could deliver performance, durability, and a radically smaller carbon footprint. Fortera's ReAct® low carbon cement checked every box.

Engineered to cut embodied CO₂ by up to 70% versus ordinary portland cement while meeting ASTM performance requirements, ReAct enabled DPR to use a lower carbon mix for high traffic walkway, preserving finish quality and while advancing corporate sustainability targets.

At a Glance

Location Santa Clara, CA	Date Poured August 5, 2025
Yards Poured 16 yd ³ (12.2 m ³)	Project Partner DPR Construction
Placement Method Tailgate	Ready-Mix Partner Central Concrete
Traffic Moderate / High	General Contractor DPR Construction
Usage Exterior Slab on Grade	28 Day Strength Load 1: 5,910 psi Load 2: 6,260 psi

45%
Reduction in CO₂



Building Entrance (Stairs & Ramp)



Mix Design

Total Cementitious Material:

Load 1: 545 lb/yd³ (kg/m³) / Load 2: 580 lb/yd³ (kg/m³)

W/CM:

0.46

Cement:

44%

Fly Ash:

20%

Slag:

30%

ReAct:

6%

Aggregate:

1" Limestone / Orca Sand

Slump:

5" (13 cm)

Air:

Entrapped

Design Strength:

4,500 psi (31 MPa)

Fortera Concrete Stamp



Weather



August 5, 2025

Passing Clouds / Low 57°F High 79°F

