

Location

Berkeley, CA

Yards Poured

4 yd³

Contractor

City of Berkeley

Concrete Supplier



Placement Method

Tailgate

Traffic

Pedestrian

Usages

Accessibility Ramp



14%
CO₂ Reduction

The City of Berkeley selected ReAct[®] Blend VC²[®], a vaterite calcined clay supplementary cementitious material, to construct an ADA-compliant accessibility ramp for the West Berkeley Senior Center. VC² was chosen for its ability to provide a high-performance mix design that resulted in a concrete with a lower carbon footprint, improved strength development, and enhanced durability—key factors for ensuring the ramp’s long-term functionality and sustainability. The project demonstrates how Fortera’s ReAct Blend product can contribute to reducing emissions while achieving high construction standards.

This partnership is a great example of how innovative green cement technologies can be integrated into community-focused projects, advancing both environmental and social goals.

Partly Cloudy | High 72°F Low 52°F | 4 – 14 mph winds



Jul 2011



Jul 2011



Jul 2011



Jul 2011



Jul 2011



Jul 2011

Mix Design

- + **Total Cementitious Material** | 470 lb/yd³
- + **Cement** | Lehigh Permanente Type II/V - 80%
- + **ReAct** | Moss Landing Pilot Plant Vaterite Calcinated Clay Blend SCM (VC²)- 20%
- + **Slump** | 4"
- + **Design Strength** | 3000 psi