

┌ **Location**

Menlo Park, CA

┌ **Yards Poured**

Garden Pathway & Stairs: 47.5 yd³
Topping Slab: 3 yd³

┌ **Contractor**

Adorno Construction

┌ **Ready-Mix Partner**



┌ **Placement Method**

Line Pump

┌ **Traffic**

Pedestrian

┌ **Usages**

Garden Pathway
Stairs
Decorative Topping Slab for
Garden Pathway

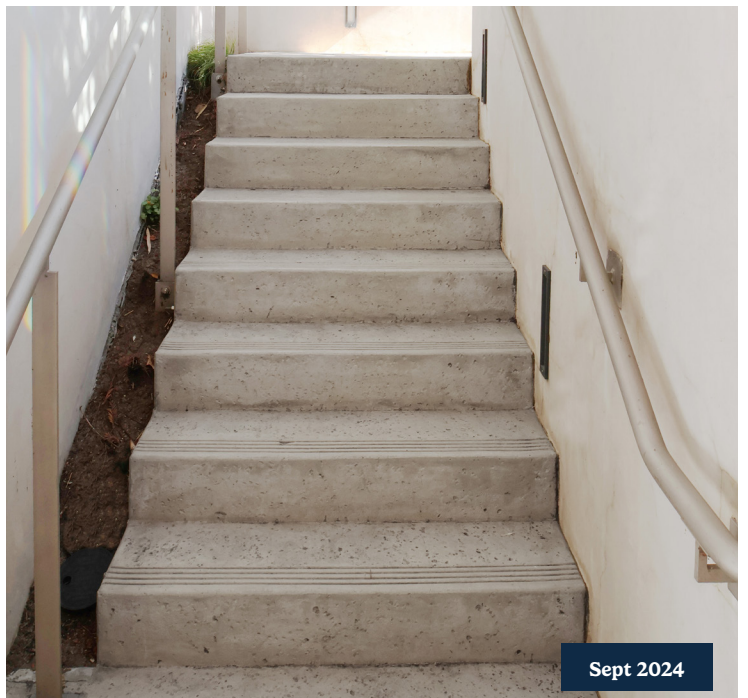


Sept 2024



Topping Slab
23%
CO₂ Reduction
Stairs & Pathway
49%
CO₂ Reduction

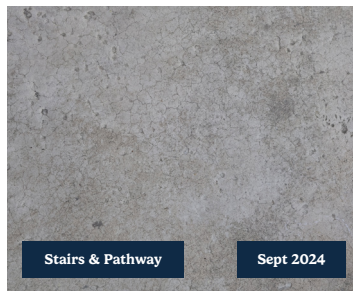
Sept 2024



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ReAct[®] Blend, a low CO₂ green cement solution, was selected to create a sustainable mix design for a multi-functional garden pathway. The project required decorative concrete that could seamlessly integrate with the garden's natural beauty and withstand the traffic of company-hosted events and employee day-to-day retreat areas. ReAct Blend was also used for two stair-wells in the office complex. The requirement was a modern, durable, high-traffic solution that would blend with the overall campus design aesthetic.

Stairs | Sept 21, 2011: Sunny | High 84°F Low 54°F | 6 - 12 mph winds
Pathway | April 3, 2012: Overcast | High 66°F Low 45°F | 6 - 14 mph winds
Topping | April 27, 2012: Overcast | High 86°F Low 59°F | 7 - 15 mph winds



Mix Design

| | Topping Slab | Stairs & Pathway |
|------------------------------------|-------------------------------|------------------------------------|
| Total Cementitious Material | 658 lb/yd ³ | 702 lb/yd ³ |
| W/CM | 0.45 | 0.45 |
| Cement | White Cement - 71% | Lehigh Permanente II/V - 43% |
| Slag | 20% | 43% |
| ReAct | Moss Landing Pilot Plant - 9% | Moss Landing Pilot Plant - 14% |
| Aggregate | 1/2" Granite & Sechelt Sand | 3/4" + 1/2" Granite & Natural Sand |
| Slump | 4" | 4" |
| Air | Entrapped 2.5% | Entrained 4% |
| Unit Weight | 148 lb/ft ³ | 144 lb/ft ³ |
| Design Strength | 5000 psi | 5000 psi |