

STORIES OF STRENGTH

Shotcrete Applications



EdenCrete® is used by contractors to improve both fresh and hardened properties of shotcrete.

In fresh shotcrete, **EdenCrete®** mixes glide smoothly through the pump, hose, and nozzle without segregating, sand packing, or clogging lines. The improved rheology of the mix adheres and carves better, reducing dust and waste from rebound. Hydraulic pump pressure can be reduced to save fuel and wear and tear on the equipment. The reduced dust allows for other trades and multiple nozzle-men to operate within the same enclosed area due to improved air quality and job site conditions. In hardened shotcrete, **EdenCrete®** improves durability, crack-resistance, and in-service performance as compared to traditional shotcrete.

Colorado Pools (January 2019)

- Residential swimming pool
- **EdenCrete®** Dosage Rate = 0.25 gal/yd³, 60 yd³
- 4000-psi shotcrete, 15% Class F Fly Ash



Thorcon Colorado DOT Central-70 Project (2018 - 2021)

- Reinforcement of bridge piers & ground-anchored walls
- **EdenCrete®** Dosage Rate = 0.25 gal/yd³, 6000 yd³
- 4000-psi shotcrete, Air-entrained, 15% Class F Fly Ash

Front Range Aqua Tech The Ridge Pinehurst Retirement Community (December 2018)

- Commercial swimming pool
- **EdenCrete®** Dosage Rate = 0.25gal/yd³, 150 yd³
- 4000-psi shotcrete, 15% Class F Fly Ash





Thorcon Shotcrete and Shoring Pond on Private Ranch [January 2019]

- Reinforcement of ground-anchored walls
- **EdenCrete®** Dosage Rate = 0.25 gal/yd³, 150 yd³
- 4000-psi shotcrete, Air-entrained, 15% Class F Fly Ash
- **EdenCrete®** enhanced their ability to carve intricate designs

Summit GeoStructures City of Black Hawk [August 2019]

- Road-cut stability to inhibit rock-slides and avalanches
- **EdenCrete®** Dosage Rate = 0.25 gal/yd³, 600 yd³
- 4000-psi shotcrete, Air-entrained, 15% Class F Fly Ash



Summit GeoStructures City of Spanish Fork, UT [April 2020]

- Water-slide feature for an All-Abilities Park
- **EdenCrete®** Dosage Rate = 0.50 gal/yd³, 160 yd³
- 4000-psi shotcrete, Air-entrained, 15% Class F Fly Ash

Professional Sports Facility Center for Health, Nutrition, & Physical Therapy [May 2020]

- Interior lining for the underground corridor & stabilization of ground-anchored walls
- **EdenCrete®** Dosage rate = 0.5 gal/yd³; 60 yd³
- Shotcrete mixes with **EdenCrete®** have a creamier paste, move more easily through the hose, & are pumped using lower hydraulic pressure which improves stacking
- Reduced dust & waste from rebound improves jobsite conditions for personnel & equipment



For more information, please contact

Robert Cavaliero (571) 283-9156 or rcavaliero@edeninnovations.com

