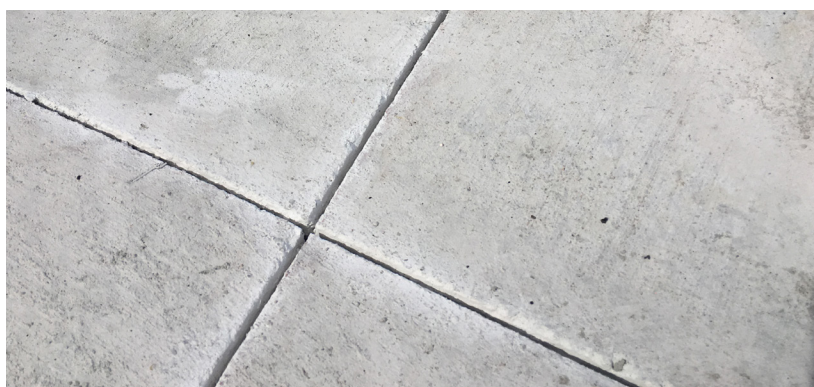




EUCLID CHEMICAL

PROJECT PROFILE

TOPPING SLAB REPLACEMENT



PROJECT DATA

Location – Tucson, AZ

Application – Fiber Reinforcement

Engineer – Gervasio & Associates.

Ready Mix Producer – Cemex

PRODUCTS FEATURED

PSI™ C6560

Hooked-End Steel Macro-Fiber

EUCOCRETE™

High-Performance Concrete with Corrosion Inhibitor

SCOPE OF PROJECT

Parking garage deck rehabilitation using steel fiber reinforced concrete



PROJECT SUMMARY

In 2018, this parking garage in Tucson, AZ, went through a full rehabilitation that included the replacement of a 3.5 in (90 mm) structural topping. Euclid engineers worked with the structural engineer for this project recommending PSI™ C6560 steel fiber at a dosage of 33 lb/yd³ (14.7 kg/m³). The use of fiber reinforcement allowed for a faster construction while providing the required strength and crack control for this topping slab. Additionally, EucoCrete, a bagged structural repair mortar enhanced with corrosion inhibitor, was used to repair the spalled-out concrete in the slab-on-ground for this parking garage.

This project was awarded with the 2018 Innovative Fiber Project of the Year in the steel fiber category by the Fiber Reinforced Concrete Association.