



EUCLID CHEMICAL

PROJECT PROFILE

STRUCTURAL REPAIR & STRENGTHENING - TUCSON, AZ



PROJECT DATA

Location – Tucson, AZ

Application – Self-Consolidating Concrete Mortar for Repair

General Contractor – Durazo Construction

Structural Engineer – M3 Engineering & Technology

PRODUCTS FEATURED

EUCOREPAIR™ SCC

Self-Consolidating Concrete Repair Mortar

EUCOWELD™ 2.0

Latex Bonding Agent for Concrete Repairs and Toppings

KUREZ™ DR VOX®

Dissipating Curing Compound



SCOPE OF PROJECT

Application of Self-Consolidating Mortar for Structural Strengthening

PROJECT SUMMARY

This concrete structure in downtown Tucson, AZ underwent a structural strengthening in summer of 2020. Steel plates were attached to the concrete beams while steel bars were added to the concrete girders with the need to be encapsulated with concrete. For the given overhead repair location and circumstances, Euclid Chemical's EUCOREPAIR SCC was selected as the structural repair material. This product is a self-consolidating mortar that eliminated the need for vibration/consolidation and can be easily pumped into the formed section. One day prior to installing this product, EUCOWELD 2.0 was applied inside the forms as the bonding agent. This product is a latex-based bonding agent that is particularly well-suited to this type of repair project. 72 hours after the repair mortar placement, the forms were removed from the girder and it was immediately sprayed with KUREZ DR VOX for curing.