



RHINO
CARBON FIBER
REINFORCEMENT PRODUCTS

CONCRETE CRACK LOCK® STITCHES CASE STUDY

POOL DECK CRACK REPAIR



LOCATION

San Francisco, California

CLIENT

American Restoration

PRODUCTS USED

- Rhino Carbon Fiber™ Concrete Crack Lock® Stitches
- RCF™ High Strength Anchoring Epoxy Paste

CASE BACKGROUND

The American Restoration company out of San Francisco, California was hired to repair a cracking concrete slab around a swimming pool. They had two concerns: first, they did not want this crack to re-open through their surface coating and second, they were worried about the possibility of the crack spreading.

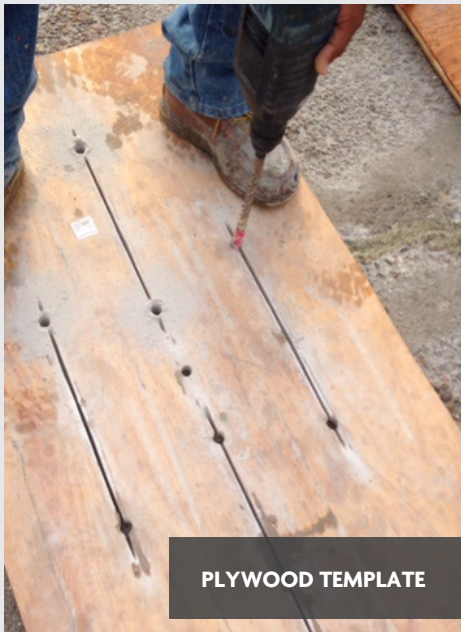
The American Restoration company contacted the **Rhino Carbon Fiber™** company and after reviewing their crack repair and structural strengthening options, determined the best solution would be to install **Rhino Carbon Fiber™ Concrete Crack Lock®** stitches in conjunction with **RCF™ High Strength Anchoring Epoxy Paste** along the crack to satisfy both of these concerns.



THE SOLUTION

The American Restoration company created a plywood template to aid in the layout and preparation for the installation of **Rhino Carbon Fiber™ Concrete Crack Lock®** stitches, and then installed the stitches every 8” to 12” along the crack. The stitches were adhered into the concrete and sealed with **RCF™ High Strength Anchoring Epoxy Paste**.

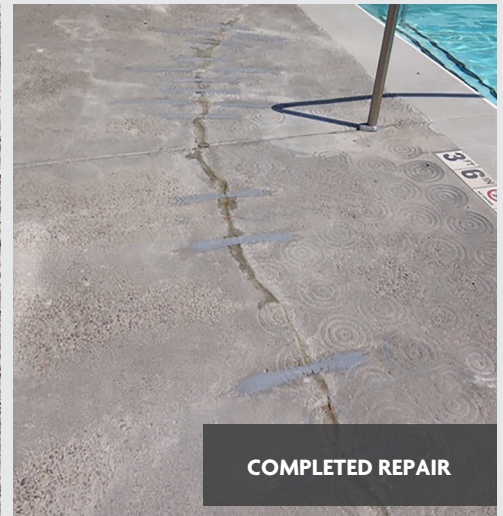
Rhino Carbon Fiber™ Concrete Crack Lock® stitches have a high tensile strength since they are made from carbon fiber, and there is minimal surface disruption required for the installation due to their thin profile. When installed and finished with a protective coating, no evidence of the installation was present. Using **Rhino Carbon Fiber™** products enabled the American Restoration company to successfully refurbish this pool deck on a tight schedule.



PLYWOOD TEMPLATE



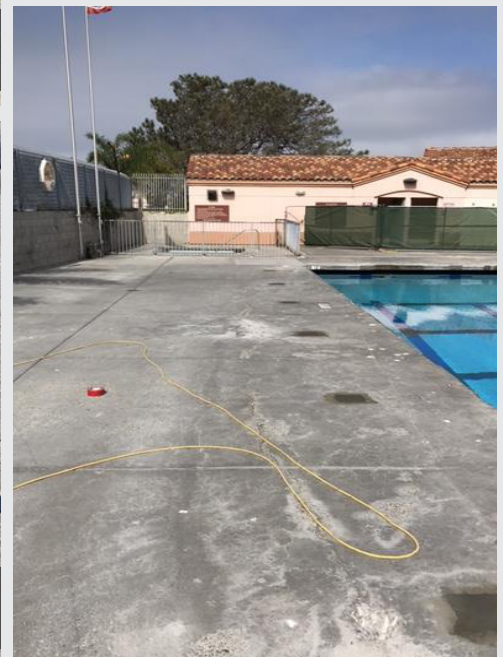
RHINO CARBON FIBER™
CONCRETE CRACK LOCK® STITCH



COMPLETED REPAIR



RCF™ HIGH STRENGTH
ANCHORING EPOXY PASTE



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