

SILPRO

CRF COLUMN REPAIR FORM™

Cured Fiberglass and Polyester Resin
Use with SilproGrout UWR

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CRF COLUMN REPAIR FORM™ is a high performance fiberglass repair form used with **SilproGrout UWR™** an underwater grout for underwater repairs in lakes, rivers, and marine applications. **CRF COLUMN REPAIR FORM™** is dual purpose, providing a ridged form for installing **SilproGrout UWR™**, as well as providing an exterior protective barrier for existing damaged or deteriorated concrete, metal, or wood columns and piles.

USE CRF COLUMN REPAIR FORM™ FOR

- Repair of damaged or deteriorated wood piles
- Repair of damaged or deteriorated concrete columns
- Repair of damaged or deteriorated metal columns

ADVANTAGES

- High Strength
- Underwater installation
- UV resistance
- Long service life
- Seamed for ease of installation
- Lightweight

TECHNICAL DATA

Water Absorption ASTM D570
0.5% maximum

Ultimate Tensile Strength ASTM D638
35,000 psi minimum

Tensile Modulus of Elasticity ASTM D638
2,500,000 psi minimum

Flexural Strength ASTM D790
31,000 psi minimum

Flexural Modulus of Elasticity ASTM D790
1,300,000 psi minimum

Barcol Hardness ASTM D2583
40 minimum

Design Wall Thickness
.083 in.

APPLICATION

Remove any loose or organic material from the column or pile to be repaired. Remove a minimum 1 feet of sand or soil below the waterline at the base of the repaired column or pile. Adhere provided fiberglass form spacers to form allowing for a minimum 1" annular and minimum 2" for applications where steel reinforcement is added between the column and CRF Column Repair Form.

APPLICATION, (CONT.)

Place the **CRF COLUMN REPAIR FORM™** into the excavated base of the pile, and place excavated material back around the base of the CRF form. Apply a bead of low modulus epoxy to one side of the overlap joint, bring both sides of the **CRF COLUMN REPAIR FORM™** together overlapping one side on top of the other, and then install self-tapping stainless steel screws every 5-7" inches to the joint. Install ratcheting straps on the outside of the form approximately 4' feet apart to add support during the installation of the grout. Apply an initial application of 4"-12" inches at the bottom of the form and allow to cure for 2-3 hours. This is not required but will minimize the potential for leakage from the bottom of the form. Proceed to apply **SilproGrout UWR™** to the top of the form until material has reached the top of the form.

SilproGrout UWR™ can also be pumped via injection port. Allow to cure for 24 hours before removing exterior strapping. If a chamfer is required at the top, this can be done with epoxy or epoxy grout after the underwater **SilproGrout UWR™** has cured.

For tall applications, Forms can be installed inside one another to create an overlap.

COVERAGE

Standard 12' length. Call **SILPRO** for custom lengths or shapes.

CAUTION!

SILPRO offers products that may contain cement, latex, epoxy, and other chemicals. Please review the Safety Data Sheet before the use of this product.

GUARANTEE

Please call **SILPRO, LLC** for copy of guarantee.

For Customer Service, Call Silpro at 1-800-343-1501

