

FX-70 Fibreglass Jackets

High-Strength Fibreglass Interlocking Jacket



A Simpson Strong-Tie® Company

DESCRIPTION

The FX-70® high-strength fibreglass protective jacket is a fibre-reinforced polymer (FRP) composite that is used as a stay-in-place form in the FX-70® structural pile repair and protection system. When used with our speciality underwater grouts, this system allows repairs to be made to concrete, wood and steel structures that are submerged or in tidal zones without constructing costly cofferdams. The custom-made FRP jackets are available in a variety of shapes and sizes.

WHERE TO USE

- Repairs and protection of marine structures
- Pile repairs
- Underwater grouting applications
- Utility pole repairs
- Pile splicing/extensions
- Seawall repairs

PERFORMANCE FEATURES

- Repair damage in place, with no need to dewater or take the structure out of service
- Corrosion-free system prevents deterioration, weatherizing and erosion
- Accommodates piles of various shapes and sizes – round, square, H-Piles, or custom shapes
- Suitable for marine environments

GENERAL FEATURES

PRODUCT DATA

Generic Description

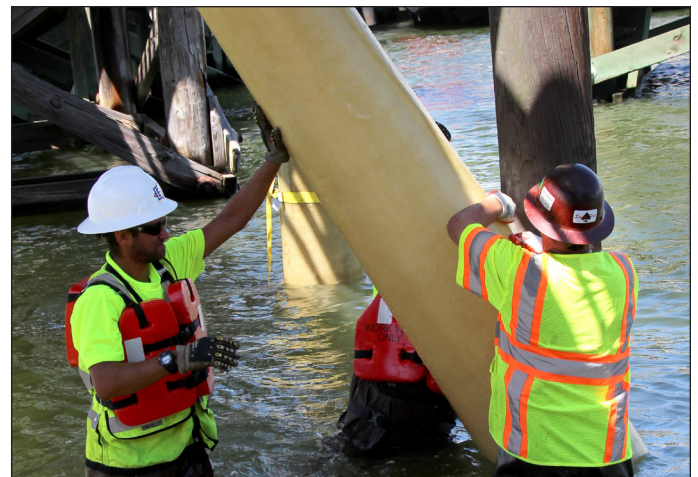
Fibreglass composite

Available Shapes and Sizes

Thickness – 3 or 5 mm

Shapes – round, square, H-Piles, octagonal, and custom

Available colours – translucent or others on request



FX-70 Fibreglass Jackets

High-Strength Fibreglass Interlocking Jacket

PROPERTIES

Properties	Norm	Metric units	Imperial units
Flexural Strength	ASTM D790	172 MPa	25 000 psi
Flexural Modulus	ASTM D790	4 826 MPa	700 000 psi
Ultimate Tensile Strength	ASTM D638	103 MPa	15 000 psi
Barcol Hardness	ASTM D2583	45± 7	
Water Absorption	ASTM D570	< 1 %	

PLANNING

LIMITATIONS

- Do not overfill
- Install proper bracing
- Underwater placement should be attempted only by certified and experienced professional divers
- All submerged forms should be installed by certified professional divers
- All forms must be sealed appropriately to prevent grout leakage during installation

PREPARATION

APPLICATION INSTRUCTION

More comprehensive FX-70® structural pile repair and protection system installation instructions are available; please refer to the FX-70® Structural Piling Repair and Protection System Installation Guide PDF under www.sp-reinforcement.eu.

HEALTH & SAFETY

IMPORTANT SAFETY INSTRUCTIONS

For detailed safety information, we recommend that you see the current safety data sheets which are available on www.sp-reinforcement.eu or you can contact us on +41 41 825 00 70.

S&P's range of products are for industrial use. They must be installed by specialised personnel and competent professionals with adequate training. The installation instructions must be followed.

The information in this product data sheet is valid for products delivered by S&P Clever Reinforcement Company AG, Switzerland. Please note that the information in other countries may differ, and always use the local product data sheet in each respective country.

The information and data in this technical data sheet serve to ensure the normal intended use and normal application suitability; the information and data are based on our knowledge and experience. They do not absolve the user from their own responsibility to check the suitability and application method.

The rights to make changes to product specifications are reserved. Furthermore, our general sales and delivery terms apply. The current, most recent product data sheet is valid, and should be requested from us.

S&P Clever Reinforcement Company AG

Seewernstrasse 127

CH-6423 Seewen

Phone: +41 41 825 00 70

Fax: +41 41 825 00 75

Web: www.sp-reinforcement.ch

E-Mail: info@sp-reinforcement.ch