

PRODUCT DESCRIPTION

FCL™ frp composite lock is a factory-fabricated anchor which can prevent or delay the delamination of FRP fibers from structural members. FCL™ product is made of Eyelet, pre-impregnated and impregnated parts.

PRODUCT FEATURES

- The FRP reinforcements anchored with FCL™ frp composite lock are able to work well beyond the end delamination tension that would occur without anchors or with anchors made on site; excellent performance even on poor substrates.
- Easy to apply

PRODUCT USES

- Fixing of flexural an shear reinforcement ends on concrete and masonry surfaces.
- Reinforcements on poor material structures.

TECHNICAL DATA

Eyelet diametre	16 mm
Pre-impregnated part dimension	Width: 100 mm
	Length: 100 mm
	Thickness: 12 mm
Non pre-impregnated part dimension	Length: 500 mm
Max. strength supported by the grip	> 46 KN

HOW TO USE

- Grouting of 16 mm diameter bars.
- Application of the reinforcement according to the project indications
- Application of ERS™400 two-component thixotropic epoxy resin on the area covered by the tackle with FCL™ frp composite lock
- Installation of FCL™ frp composite lock and mechanical tightening.
- Impregnation of the fabric of FCL™ frp composite lock with ERS™200 two-component epoxy resin.

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling fabrics and resins to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing / gloves / goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole



FRP Composite Lock - FCL™

remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.