

# LOCTITE RENEWRAP ANCHOR

## FRP Anchoring System

Technical Data

**LOCTITE RenewWrap Anchors** are manufactured from the LOCTITE RenewWrap CF600 carbon fibers and the RenewWrap Saturant.

### APPLICATIONS

The LOCTITE RenewWrap Anchors are used to anchor LOCTITE RenewWrap fabrics to increase the development and bond of the fabric to substrate. The RenewWrap Anchors are also used to provide continuity of the strengthening fabrics across structural elements such as beams, walls and slabs.

### ADVANTAGES

- High strength capacity anchors manufactured to project requirements & specifications
- Available as Embedded or Through Anchors depending upon design
- 100% solvent free
- Embedded anchors come with pre-cured base for speed of installation
- Ease of Installation

### DRY-FIBER PROPERTIES

PROPERTY	ENGLISH	METRIC
Tensile Strength	620,000 psi	4.3 GPa
Modulus of Elasticity	36x10 <sup>6</sup> psi	250 GPa
Elongation at Break	1.7%	1.7%

### DESIGN PROPERTIES

PROPERTY	ASTM METHOD	ENGLISH	METRIC
Ultimate Tensile Strength	D3039	131,000 psi	903 MPa
Tensile Modulus of Elasticity	D3039	14.6 x10 <sup>6</sup> psi	100.7 GPa
Elongation at Break	D3039	0.9%	0.9%

Notes: The LOCTITE ReneWrap Anchor properties are based on ASTM D3039 testing of the RenewWrap Carbon Fiber laminates

### STORAGE AND SHELF LIFE

Store in a dry area at 40-90°F (4-32°C) away from direct sunlight, flame, or other hazards. When properly stored the RenewWrap Anchors have an indefinite shelf life.

### PACKAGING

Packaged in lots of 25 anchors. Weights based upon design requirement of anchors.



LOCTITE RenewWrap Embed Anchor



# LOCTITE RENEWWRAP ANCHOR FRP Anchoring System

Technical Data

## LIMITATIONS

- The use of LOCTITE RenewWrap Anchors is limited to the same environmental conditions as the LOCTITE RenewWrap FRP fabrics.
- All applications of LOCTITE RenewWrap Anchors should be evaluated and specified by a licensed design professional.

## INSTALLATION

Installation should only be performed by contractors trained and certified by GeoTree Solutions.

## DRILLING

1. Drill anchor hole at 90° or 45/135° (± 5°) as per approved drawings with rotary hammer drill and carbide bit to the required depth.
2. Grind edges around anchor holes for smooth transitions as required by the drawings. Minimum ½ inch (50 mm) radius
3. HEPA-Vacuum the concrete dust generated during drilling, whenever possible.

## SAFETY

Product safety data sheets (SDS) should be consulted prior to and during application of or when handling this product. RenewWrap Anchors contain carbon fibers. Caution should be taken when handling RenewWrap fabrics, since they contain fine carbon dust that may be present on the surface. Gloves must be used when handling RenewWrap fabrics. Caution must also be used when cutting RenewWrap fabrics to protect against airborne carbon dust. Use of an appropriate, properly fitted NIOSH approved respirator is recommended. Carbon fibers are conductive and special precautions should be taken when using this product around electrical tools and machinery.

## RELATED PRODUCTS

The following products are typically used with LOCTITE RenewWrap Anchors:

- LOCTITE RenewWrap Uni-directional Carbon Fabrics including: CF335, CF600, CF700, CF1400, CF1500
- LOCTITE RenewWrap Uni-directional Glass Fabrics including: GF750, GF875 and GF1100
- LOCTITE RenewWrap Saturant (2-Part Impregnating Resin)
- LOCTITE RenewWrap Adhesive Pastes and Top Coats

## ANCHOR CONSTRUCTION DETAILING

Use carbide-tipped masonry and concrete hammer bit meeting requirements of ANSI B212.15.

ANCHOR DIAMETER (IN)	ANCHOR DIAMETER (MM)	CONCRETE BIT SIZE (IN)	CONCRETE BIT SIZE (MM)
1/4	6.4	3/8	9.5
3/8	9.5	1/2	12.7
½	12.7	¾	19.1
5/8	15.9	7/8	22.2
3/4	19.1	1	25.4
7/8	22.2	1-1/8	28.6
1	25.4	1-1/4	31.8
1-1/4	31.8	1-3/8	34.9

**GeoTreeSolutions.com | +1 855 655 6750**

All marks used are trademarks and/or registered trademarks of Henkel and its affiliates in the U.S., Germany and elsewhere.  
© 2026 Henkel Corporation. All rights reserved. DSGN0050063 (04/26)

Before using any GeoTree product, the user must review the most recent version of the product's technical data sheet, safety data sheet and other applicable documents, available at [www.geotreesolutions.com](http://www.geotreesolutions.com) or by calling +1.855.655.6750.



Henkel Adhesive Technologies