



# LOCTITE RENEWWRAP MCU

## Pre-Saturated Carbon or Glass Fiber Repair System

Factory Saturated FRP

The **LOCTITE RenewWrap MCU** product is the world's first ACI 440.2R-17 compliant factory saturated FRP system. Rigorous testing has proven that these pre-saturated repairs perform equivalent to or better than field-saturated systems. They can be used in a broad range of environments and possess excellent chemical resistance, making them ideal for use in exteriorly exposed structures, industrial buildings, and interior pipe linings.

LOCTITE RenewWrap MCU products are made of uni-directional carbon fabric or glass, pre-saturated in an ISO9001 certified facility. They arrive on site in inspected, hermetically sealed pouches, ensuring high-quality products that are ready to be applied in the field. And with no VOCs and low odor, RenewWrap MCU repairs are user friendly and environmentally safe.

### FEATURES

- No field-saturation required
- Moisture cure provides increased surface tolerance in wet and high-humidity environments
- Applicable at up to 85% humidity
- High strength and light weight
- Durable
- Manufactured in ISO 9001 certified facility
- Meets all ACI 440.8-13 material specification requirements

### APPLICATIONS

Strengthening of structures for:

- An increase in load requirements due to code change or design error
- Containment and shear reinforcement
- Seismic retrofitting
- Structural damage

### STORAGE AND SHELF LIFE

Store in a cool, dry place at 50-90 °F (10-32 °C) in a box away from flame or other hazards. Shelf life is 9 months in unopened packaging.

### PACKAGING

Each roll is 60SF (5.58sqm) 24" wide x 30' long.  
Two rolls per carton.

### BENEFITS

- Ready to use
- No special tools to install
- Simple application
- No hot work
- 100% solvent-free
- No environmental hazards
- Minimal clean-up
- Ideal for smaller repair projects



Henkel Adhesive Technologies



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## QUALIFICATION DATA

COMPOSITE GROSS LAMINATE PROPERTIES PER ASTM D3039 **AVERAGE TEST VALUES**

PROPERTIES	LOCTITE RENEWWRAP 118C MCU	LOCTITE RENEWWRAP 127G MCU
Tensile Strength	147.59 ksi (1,017.6 MPa)	71.46 ksi (492.7 MPa)
Tensile Modulus	12.32 x 10 <sup>6</sup> psi (84.9 GPa)	3.81 x 10 <sup>6</sup> psi (26.3 GPa)
Elongation at Break	1.12%	1.84%
Laminate Thickness	0.035 inch (0.9mm)	0.05 inch (1.27mm)

## DESIGN VALUES

PROPERTIES	LOCTITE RENEWWRAP 118C MCU	LOCTITE RENEWWRAP 127G MCU
Tensile Strength	120.6 ksi (831.5 MPa)	64.2 ksi (442.6 MPa)
Tensile Modulus	12.32 Msi (84.9 GPa)	3.81 Msi (26.3 GPa)
Elongation at Break	1.0%	1.69%
Laminate Thickness	0.035 inch (0.9mm)	0.05 inch (1.27mm)

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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.



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