



LOCTITE RENEWWRAP XPL Saturant

LOCTITE RenewWrap XPL Saturant is a two-component, 100% solids high strength, high modulus, moisture insensitive epoxy resin for impregnating LOCTITE RenewWrap reinforcing fabrics. RenewWrap XPL Saturant is supplied in two parts, and is designed for extended pot life.

TYPICAL APPLICATIONS

- Bridges: Columns, Beams, Slabs, Pipes, Pier Caps
- Buildings: Commercial, Industrial, Residential
- Piers/Wharfs
- Parking garages
- Tunnels
- Pipes

TYPICAL USES

- Structural Strengthening Repair
- Seismic Retrofitting
- Structural Load Upgrading
- Correcting Design or Build Errors
- Damage Repair
- Blast Mitigation

RELEVANT INFORMATION

- Substrate / ambient temperature must be greater than 40 °F (4 °C) for installation
- Do not thin with solvents
- Cured material will act as a vapor barrier
- Avoid applying material when the temperature is rapidly rising to minimize the effects of moisture vapor transmission

STORAGE AND SHELF LIFE

Store in a cool, dry place at 40-90 °F (4-32 °C) away from flame or other hazards. Shelf life is 24 months when properly stored in unopened packaging.

2-Part Epoxy
Impregnation Resin, Primer
and Saturant

BENEFITS

- Medium viscosity enabling vertical and overhead applications, while facilitating complete impregnation of the FRP reinforcing fabrics
- Mix Ratio 100A:34.5B by weight
- VOC compliant, low odor
- 100% solvent free
- Extended pot life



CAUTION

Consult Safety Data Sheets (SDS) and always use appropriate personal protective equipment when handling resins.

ENGINEERING SUPPORT

GeoTree Solutions provides no-cost, pre-bid, engineering support. Contact your sales representative for more information



Henkel Adhesive Technologies



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Impregnation Resin, Primer
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Material Properties

PROPERTY	VALUE
Mix Ratio	100A:34.5B (by weight)
Colour	Part A: Clear Part B: Clear Mixed: Clear
Pot Life	3-4 hrs
Cure Time	72 hours at 70°F (21°C)
Usage Rates	One 12.5 Gal Kit per Roll of CF700, CF1500, CF650-BX, GF750, GF1100 & GF2200 Two 12.5 Gal Kits per roll of GF800-BX

Packaging

COMPONENT	QUANTITY	PACKAGE
Part A	4.4 Gal (16.7 L)	5-gal pail
Part B	3.7 Gal (14 L)	5.0-gal pail
Kit	12.5 Gal Kit (47.3 L) 2 Pails of A 1 Pail of B	3 5-gal pails

Cured Epoxy Properties

TYPICAL PROPERTIES	TEST METHOD	VALUE
Flexural Strength	ASTM D790	8 ksi (55 MPa)
Flexural Modulus	ASTM D790	300 ksi (2050 MPa)
Compressive Strength	ASTM D695	11.0 ksi (75 MPa)
Compressive Modulus	ASTM D695	400 ksi (2750 MPa)
Glass Transition Temperature ¹	ASTM E1640	180°F (82°C)
Tensile Strength	ASTM D638	8.6 ksi (60 MPa)
Tensile Modulus	ASTM D638	200 ksi (1400 MPa)

Notes:

1. Cure schedule for data sheet properties is 48 hrs post-cure at 140°F (60°C), test conditions are 73°F (23°C).

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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 or by calling +1.855.655.6750.



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