

RENEWWRAP®

Primer/Steel (FP-WE7) for Bonding Nippon Steel® Strand Sheet® CFRP



STRUCTURAL STRENGTHENING

RenewWrap® Primer/Steel (FP-WE7) is a 2-part, 100% solids, epoxy adhesive used to prime surfaces of steel or concrete substrates prior to applying the RenewWrap® Strand Sheet® reinforcement. RenewWrap® Primer/Steel (FP-WE7) is supplied in two-part kits.

TYPICAL USES

The RenewWrap Strand Sheet® Strengthening system may be used to strengthen or retrofit a wide range of concrete and steel structural members including columns, beams, slabs, walls, pipes, tunnels, deck, piers, piles, etc.

- ◆ Do not thin with solvents
- ◆ Extend fatigue life of steel structures
- ◆ Restore strength of corrosion-deteriorated steel structures.
- ◆ Strengthen for load increases
- ◆ Address changes in structural system, like slab openings
- ◆ Retrofit for seismic, wind, or blast
- ◆ Restore strength to damaged members like fire or vehicle impact
- ◆ Restore strength to deteriorated members subject to corrosion
- ◆ Strengthen for design/construction errors

LIMITATIONS

- ◆ Substrate /ambient temperature must be greater than 40 °F (4 °C)
- ◆ Do not thin with solvents

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 12 months when properly stored in unopened containers.

Strand Sheet® products are based on technology developed by Nippon Steel & Sumikin Materials Company, Ltd.

Strand Sheet® is a registered trademark of Nippon Steel & Sumikin Materials Co.

Low-Viscosity Two-Part Epoxy Primer for Steel and Concrete Substrates

BENEFITS

- ◆ Can be used on both steel and concrete substrates
- ◆ Applied using a medium nap paint roller
- ◆ VOC compliant, low odor
- ◆ 100% solvent free



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

ALTERNATE PRODUCT DESIGNATION

FP-WE7



www.geotreesolutions.com

+1.855.655.6750

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Strand Sheet® CFRP



STRUCTURAL STRENGTHENING

Physical properties

PROPERTY	VALUE	TEST METHOD
Mix Ratio	2:1 (by weight)	
Specific Gravity	1.20 (mixed)	
Glass Transition Temperature	125°F (52°C)	ASTM D3418

Field Characteristics

PROPERTY	VALUE
Pot Life	90 minutes @ 77 °F (25 °C)

Packaging

COMPONENT	QUANTITY	PACKAGE
Part A	14.7 lbs (6.67 kg)	Steel cans
Part B	7.3 lbs (3.33 kg)	Steel cans
Unit Sizes	22 lbs (10 kg) 2.20-gallon kit	

Coverage Rates/Ply

SUBSTRATE	COVERAGE RATE (BY WEIGHT)	COVERAGE RATE (BY VOLUME)
Steel	0.20 kg/m ²	250 SF/gallon
Concrete ¹	0.25 kg/m ²	200 SF/gallon

Notes:

1. RenewWrap™ Primer/Steel (FP-WE7) may also be used to prime concrete substrates when installing RenewWrap CF300/HM ultra-high modulus FRP strengthening fabrics.



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