



LOCTITE RENEWWRAP EZ Paste

Non-Sag Epoxy Repair, Surface Smoothing, and NSM Paste

LOCTITE RenewWrap EZ Paste is a two-component, moisture insensitive, high modulus, high strength, non-sag epoxy paste used to fill bug holes and other small voids and smooth substrate surfaces prior to application of the LOCTITE RenewWrap FRP strengthening system. LOCTITE RenewWrap EZ Paste can also serve as an NSM paste to be used with the RenewWrap NSM System. The material can easily be troweled on vertical and overhead surfaces.

BENEFITS

- Simple 1:1 volume mix ratio
- Can be applied at temperatures between 40°F and 110°F (4°C and 43°C)
- Compatible with LOCTITE RenewWrap FRP strengthening systems
- High-build and easily trowelable

LIMITATIONS

- Do not thin with solvents
- New concrete should be a minimum of 21 days old
- Not intended for repairing cracks subject to movement; repairs should be made to the cracked element to eliminate the cause of the cracking prior to usage.

SURFACE PREPARATION

- Old concrete must be clean and profiled or textured
- Remove all dirt, oil, debris, wax grease or dust
- Prepare the surface by rough-grinding, scarifying, bush hammering or by using other equipment that will give a roughened profile.
- Always be sure the bonding surfaces are prepared in advance before mixing product.
- Mix only enough RenewWrap EZ Paste that can be used within the workable time or pot life.

BULK MIXING INSTRUCTIONS

When the work environment or substrate falls below 70°F (21°C), condition the product to 70 - 75°F (21 - 24°C) prior to use. Thoroughly stir Part B with a Jiffy Mixer paddle or similar before mixing Parts A and B together.

NOTE: Cold product may become too thick. Product that is too warm will react much faster than normal.

PRE-MIX PART B THOROUGHLY WITH PART A.

1. Place the total contents of Part B (hardener) into the Part B pail (resin) OR proportion equal parts by volume of both Part A and Part B into a clean pail. Be sure that the components are mixed at an exact 1:1 ratio by volume.
2. Mix thoroughly with a low speed drill (400 - 600 rpm) with a Jiffy Mixer paddle or similar. Carefully scrape the sides and the bottom of the container while mixing. Keep the paddle below the surface of the material to avoid entrapping air. Proper mixing will take at least 3 minutes and when well mixed the material will be free of streaks or lumps.
3. Mix only the amount of material that can be used before the pot life expires.

TYPICAL USES

- High-build, non-sag patching material for filling spalls and bug holes
- Use to level or smooth substrate surface prior to application of LOCTITE RenewWrap FRP systems
- Non-Sag epoxy compatible with LOCTITE RenewWrap NSM System used to vertical and overhead applications
- May be used as a bonding agent for concrete and masonry
- For filling voids and bug holes up to 1" diameter
- For larger void repairs, use LOCTITE GeoStrong one-component, nonshrink, fast-setting geopolymer repair mortar.

MEETS REQUIREMENTS

ASTM 881 (AASHTO M235)
GRADE 3, CLASS B, TYPE I, II, IV, V
GRADE 3, CLASS C, TYPE I, II, IV, V

PACKAGING

3-gallon (11.4 L) kit. Average coverage of 1300 square feet (120m²) per kit.

STORAGE AND SHELF LIFE

Store in a dry place at 40-90 °F (4-32 °C) out of direct sunlight. Material has a shelf life of 24 months when stored in unopened containers.

CLEAN UP

Always wear appropriate personal protective equipment such as safety glasses and gloves. Clean uncured materials from tools and equipment using a mild solvent.

CAUTION

Product safety data sheets (SDS) should be consulted during application or when handling the product.

LOCTITE RENEWWRAP

Physical properties

PROPERTY	VALUE	TEST METHOD
Color	Part A (resin): White Part B (hardener): Dark Gray Mixed: Light Gray/Light Beige	
Mix Ratio	1:1 by volume	
Consistency (Viscosity)	Non-sag	ASTM C881
Heat Deflection Temperature (7 days at 75 °F)	138 °F (59 °C)	ASTM D648
Pot Life ¹ @ 75 °F (24 °C)	18 minutes	
Tack-Free or Open Time @ 75 °F (24 °C)	2-3 hours	ASTM D2377
Working Time ² @ 75 °F (24 °C)	75 minutes	
Cure Time @ 75 °F (24 °C)	24 hours	

1. Pot life is measured as the workable and applicable time of 102 fl. oz. (3.0 L) when mixed at 75 °F (24 °C). Pot life lengthens to 21 minutes when mixed in a 500-gram mass @ 75 °F (24 °C).
2. Working and cure times are approximate and may vary slightly based on substrate temperatures and the temperature product was conditioned at prior to application.

Mechanical Properties

PROPERTY	VALUE	TEST METHOD
Compressive Yield Strength ¹	13,000 psi (89.7 MPa)	ASTM D695
Compressive Modulus ¹	743,300 psi (5,125 MPa)	ASTM D695
Tensile Strength ¹	5,480 psi (37.8 MPa)	ASTM D695
Tensile Elongation ¹	1.4%	ASTM D638
Bond Strength Hardened to Hardened Concrete ²	3,200 psi (22 MPa)	ASTM D882
Bond Strength Hardened to Hardened Concrete ³	3,500 psi (24 MPa)	ASTM D882
Bond Strength to Steel ³	1,970 psi (13.5 MPa)	ASTM D883
Shear Strength	2025 psi	ASTM D4027-19

1. Reported properties are based on conditioning at 75 °F (24 °C) for 7 days.
2. Reported properties are based on conditioning at 75 °F (24 °C) for 2 days.
3. Reported properties are based on conditioning at 75 °F (24 °C) at 14 days

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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.