

Milliken Infrastructure

RenewWrap™ Paste

2-Part Non-Sag Epoxy Paste Resin



BRIDGES + ROADWAYS



BUILDINGS + PARKING FACILITIES



OIL, GAS + INDUSTRIAL

RenewWrap™ Paste is a two-component, 100% solids, two-phase, epoxy paste used for bonding and filling voids prior to application of the RenewWrap™ ESR FRP Strengthening System. It is also used for bonding RenewWrap™ CF Bars or Tapes in near surface mounted (NSM) strengthening applications

Benefits

- Compatible with RenewWrap™ ESR Saturant
- Long pot life
- Moisture tolerant before, during and after cure
- Easy to mix
- Excellent adhesion to concrete and masonry materials
- Solvent free, VOC compliant

Limitations

- Substrate / ambient temperature must be greater than 40 °F (4° C)
- Age of concrete substrate should be 21-28 days or within 75% of its 28-day strength
- Do not thin with solvents
- Cured material will act as a vapor barrier

Packaging

Available in 13.75 gallon units

- Part A: 2-4.75 gallon pails
- Part B: 1-4.25 gallon pails

Typical Uses

Recommended for:

- Use to fill bug holes and small voids
- Use to smooth irregular or uneven surfaces
- Use to create small transitions or fillets
- Use to bond CF bars and tapes in grooves in NSM applications

Storage & Shelf Life

Store in a dry place at 40-90° F (4-32° C) out of direct sunlight. It has a shelf life of 12 months in original, unopened container.

Caution

Product material safety data sheets (MSDS) should be consulted during application of or when handling this product

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General Information

Color Gray (Part A) Beige (Part B) Gray (Mixed)

Physical Properties

PROPERTY	VALUE
Mixed Viscosity	Thick paste consistency
Pot Life (1 gallon unit)	100 min @ 50° F (10° C) 30 min @ 77° F (25° C)
Mix Ratio	100A : 38B (by weight) 10A : 4B (by volume)
T _g ⁽²⁾	170° F (76.7° C)

Mechanical Properties

PROPERTY	VALUE	METHOD
Tensile Strength	8,000 psi	ASTM D638
Tensile Modulus	400,000	ASTM D638
Elongation at Failure	3.0 %	ASTM D638
Hardness	87	Shore D
Compressive Strength	12 ksi	ASTM D695
Compressive Modulus	380 ksi	ASTM D695
Shear Bond Strength	2.4 ksi	

NOTES:

1. Neat resin properties measures at 7 days unless otherwise noted.
2. T_g Measured with post cure for 72 hours @ 140 deg F.

Before using any Milliken Infrastructure Solutions, LLC product, the user must review the most recent version of the product's technical data sheet, material safety data sheet and other applicable documents, available at www.strengtheningsolutions.milliken.com or by calling 1-855-655-6750. LIMITED WARRANTY: Milliken Infrastructure Solutions, LLC is very proud of our innovative RenewWrap™ products (the "Products") and our superior customer service. We hereby warrant to the original purchaser that the Products meet Milliken's standard specifications at the time of delivery from us. If the Products are found to be defective because they do not meet this Warranty, then we will as the sole remedy either (at our option) refund the purchase price for those Products or provide replacement Products (in either case, not including shipping, installation or any other cost). Naturally, we are not responsible or liable for degradation, damage, liability or defect in, or related to, the Products caused by improper storage, use, installation or maintenance, any other party's representations, warranties, actions, or omissions, or acts of God. WE MAKE NO REPRESENTATION OR WARRANTY BEYOND THE EXPLICIT STATEMENTS CONTAINED IN THIS WARRANTY, AND ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, INFRINGEMENT, OR ANY WARRANTIES BASED UPON SAMPLES, MODELS, OR SPECIFICATIONS, ARE HEREBY EXPRESSLY DISCLAIMED. NOTWITHSTANDING ANYTHING TO THE CONTRARY, IN NO EVENT SHALL WE BE LIABLE TO THE ORIGINAL PURCHASER OR ANYONE ELSE FOR ANY CONSEQUENTIAL, INDIRECT, SPECIAL, OR EXEMPLARY (OR ANY SIMILAR TYPE OF) DAMAGES RELATED TO THE PRODUCTS. As each customer's use of our Products and situation may be different, information we provide, including without limitation, use or installation suggestions, test results, samples, etc. is provided in good faith but without warranty and without accepting any responsibility or liability. Each customer must test and be responsible for its own specific use, installation, application, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing. This Warranty is governed by the laws of the United States and the State of South Carolina, U.S.A. (without giving effect to its conflict of law principles), and any party desiring to take action under this Warranty hereby submits to the exclusive jurisdiction of the courts in such jurisdiction and waives any inconvenient forum claims related thereto. In the unlikely event that you have a warranty issue, please contact your distributor or sales representative to discuss and resolve the matter in accordance with this Warranty.

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