

Shaanxi unique-technology co., Itd is a professional large-scale manufacturer of fiberglass pipe repair wrap and cable armorcast. Our company established in 2005 and have employees more than 500 workers. the equipment, technology and raw materials of our company are imported from Germany. the quality of our products has reached the internationally advanced level. Currently, unique-technology is already exported to America, France, Australia, Italy and 20 other countries and regions. our company has always focused on research, development and innovation, and has recently developed new type of wraps. Unique-technology will initiate the second phase of our development strategy. our company regards "reasonable prices, efficient production time and good after-sales service" as our tenet. We hope to cooperate with more customers for mutual development and benefits.



Mainly Products Introduction

- o1 Fiberglass Pipe Repair Wrap
- 102 Household Repair Wrap
- O3 Cable Protect&Connect Wrap



1. Fiberglass Pipe Repair Wrap



Fiberglass Pipe Repair Wrap is made of fiberglass fabric and coated with water-activated polyurethane resin.

Quick and simple to use with no mixing or measuring required. A successful pipe repair can be achieved in only 30 minutes.

Reference brand: Rappit 3M

Technical Data Sheet

- Product: Fiberglass Pipe Repair Wrap
- O Color: Black / White
- Application Method: Wet Lay-up
- Melting point: 680°C
- Operation time: 3~10 minuets (depend on operation temperature)
- © Cured time: around 30 minuets after direct exposure to water
- ♦ Heat Resistance: 0 °C ~ 150 °C
- Hardness, Shore D: 70
- ♦ Warp / Weft Density: 12 roots/cm
- Thickness: Single Ply: 30mm \pm 0.5mm (10 Mils \pm 2 Mils)
- Fabric Weight: 420 g/m 2
- $\textcircled{Resin Content: 45\% \pm 3\%}$
- UV Resistance: UV inhibitors added
- Toxicity: Non-Toxic.Non-Hazardous.
- Shelf Life: 3 years from manufacturer date



Mechanical Properties

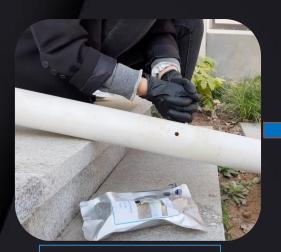
- © Elasticity modulus: 215,000psi (pound/per square inch)
- Tensile strength: 6575psi (pound/per square inch)
- Application Method: Wet Lay-up
- Pressure Withstand: 2900psi(Min wrapping 15 layers, around damage area)
- © Chemical Resistance: Most Dilute Acids, Brine, Oils, Toulene, White Spirit, Xylene, Sodium Hydroxide, Saturated Soda Solution, Fuel Oils, Kerosene Oil, Acetone, Ethyl Alcohol, Diesel fuel, Caustic Soda 50%







Direction for Use



Wear Gloves



Apply Epoxy Putty



Immerse Tape into Water for 10mins



Wrap Spirally and Firmly



To achieve the best result, the wrap should be more than 10mm thick (10-15 layers). Allow 30 minutes for wrap to set rock-hard.

Applications

Oil Gas pipeline Repair





Water Pipeline Repair

02

03 Sewer Repair





Emergency Repair 04

















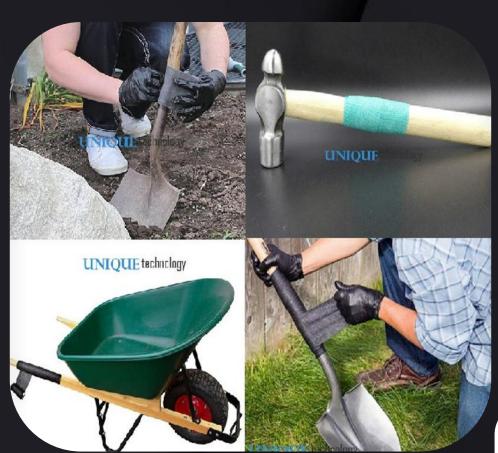
Complementary products-Epoxy putty



The epoxy putty is two sets of same-core glue rod, which cure quickly and have strong adhesion. It can be used for creative combination.

Normally it is used together with fiberglass pipe repair wrap to achieve best repairs.

2. Household Repair Wrap



Household Repair Wrap is made of fiberglass fabric and coated with water-activated polyurethane resin.

Quick and simple to use with no mixing or measuring required. A successful repair can be achieved in only 30 minutes.

Reference brand: Fiberfix



Technical Data Sheet

- Product: Household Repair Wrap
- O Color: Black / White
- Application Method: Wet Lay-up
- Melting point: 680°C
- Operation time: 3~10 minuets (depend on operation temperature)
- © Cured time: around 30 minuets after direct exposure to water
- ♦ Heat Resistance: 0 °C ~ 150 °C
- Hardness, Shore D: 70
- ♦ Warp / Weft Density: 9 roots/cm
- Thickness: Single Ply: 28mm \pm 0.5mm (10 Mils \pm 2 Mils)
- Fabric Weight: 400 g/m 2
- Resin Content: 42% ± 3%
- UV Resistance: UV inhibitors added
- Toxicity: Non-Toxic.Non-Hazardous.
- Shelf Life: 3 years from manufacturer date



Mechanical Properties

- © Elasticity modulus: 185,000psi (pound/per square inch)
- Tensile strength: 5075psi (pound/per square inch)
- Application Method: Wet Lay-up
- Pressure Withstand: 2610psi(Min wrapping 15 layers, around damage area)
- © Chemical Resistance: Most Dilute Acids, Brine, Oils, Toulene, White Spirit, Xylene, Sodium Hydroxide, Saturated Soda Solution, Fuel Oils, Kerosene Oil, Acetone, Ethyl Alcohol, Diesel fuel, Caustic Soda 50%







3. Cable Protect & Connect Wrap



Cable Protect & Connect Wrap is applied to reinforce shield and connector of cable. Mostly use in aerial, buried and manhole applications and is Ideal for strengthening old cables, splices and auxiliary seals. No reworking is required, it's ready to wrap straight from the package.

Structural Material Cable Compatibility

- Coaxial, copper, fiber cable types
- Pressurized and non-pressurized cable
- Polyethylene or lead sheathed cable





Features: Melting point: 680°C; Boiling point: >1000°C; Fireproof; UV inhibitors

- 1. Easy to use, wrap on the cable accessories or electric cable directly outside protective layer to form a high strength, can strengthen the mechanical protection of connectors and cables
- 2. Once wet, the fiber strip becomes tacky and sticks to itself
- 3. Compatible with coaxial, copper, fiber cables, polyethylene or lead-sheathed cable, pressurized and non-pressurized cable
- 4. Ideal for strengthening old cables, splices and auxiliary seals
- 5. Fast and easy to apply, yet hardens to a strong and maintenance-free coating
- 6. Resists moisture, acids, alkalis, ozone, gasoline and high temperatures
- 7. Can be used on pressurized or non-pressurized cable and on either polyethylene or lead-sheathed cable

Our certificates

UNIQUE technology

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rique technology High Strength Repair Wap is made of high density fabric and coated with water-activated polyunethane resin. Quick and simple to use thino moving or measuring required. A successful pipe repair can be achieved in only 30 minutes it uses environmental friendly materials, and mainly set for Repair Oil. Gas & Water Pipeline etc.and adheres to Metal, plaster. PVC. Copper, Rubber. Fiberglass, Concests, Wood, Ceramic, Pulyester. ii. It can be applied on cracked, fractured, corroded, damaged & leaking pipes, can also be used around different shapes including straight lengths like and elbow joints. It is suitable for using on well or dry pipes. It can even be applied underwater, in fresh or sathwater.

pecifications (The length can be produced as required)

T002 5cm=360cm (2" X 128) T005 12.5cm=360cm(5" X 128)

U7004 10un+360unof" X 128)

ligh Strength Repair Wrap Technical Data

Black / White / Yellow / Red / Blue

pplication Method:

ured time: around 30 minusts after direct exposure to water 0 °C ~ 150 °C

Single Ply: 30mm s 0.5mm (10 Mils s 2 Mils)

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Kerosene Oli, Acetone, Ethyl Alcohol, Diesel fuel Caustic Soda 50%.

Clean and roughen the damaged area with the metal file or wire brush, which will help resulting a more successful repair

Put gloves on open the bag and immerse the bandage in temperate water for 15.15 seconds & squeeze the wrap to let the water soak in eventy. Squeeze out the access water, apply the wrap spirally around the damaged pipe area. Extending up to 50mm(2"wither side of the leaked area. When wrapping, put each layer lightly and firmly, using hand to mould and equence the layers together in a tightening motion. Continue to apply

Suggestion: To achieve the best result the wrap should be more than 10mm thick (10-15 layers). Allow 30 minutes for wrap to set rock hand.

air Wrap should be stored unopened in the foil packaging in cool, dry conditions. Under this conditions it will have a shelf life of 3 years.





Applicant	Shuanxi Unique-technology Co., Ltd.		
Applicant Address	Room 21-12403, Guobin Estate. No. 15th Road Keji 7th, Xi'un Hi-tech Zone, Xi'un Shaansi		
Contacts	Mandy		
Sample Name	Fiberglass pipe repair bandage	Sample Number	20200917-502001
Type/Serial No.	Type:UT004	Sample Quantity	3 Sets
Manufacturer	Shaanxi Unique-technology Co., Ltd	Other information	Each set of samples contains white 10cm 0.6m fiberglass pipe repair bandage, a 57g adhesive epoxy puty and a pair of gloves
The above inform	tion is provided by the applicant	and the applicant shoul	d answer for its authenticity.
Received Date	2039/09/17	Sample State	Solid
Finished Date	2020/09/17-2020/09/23	Test Type	Entrusted Test
Test Item	Withstand voltage test		
Test Standard	Methods provided by the elient		



Test Conclusion



value. The test results refer to page 2.







青岛斯坦德检测股份有限公司 总机: 4008065995

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E-glass Repair Wrap **Material Safety Date Sheet**

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1.Identification Product identifier

Trade name: E-glass Repair Wrap

Recommended use of the chemical and restrictions on use

Application of the substance / the preparation:

For repairs of kinds of home / industrial / plumbing / motor products

Details of the supplier of the safety data sheet

Manufacturer / Supplier:

Shaanxi Unique-technology Co. Ltd.

Room 21-12403, Guobin Estate. No. 15th Road Keji 7th, Xl'an H-tech Zone , Xl'an Shaaroi

Tel: 0086.29.85257751

Fax:0086.29.85567233

E-mail: mandy@unique-technology.com

Further information obtainable from: Shaarxi Unique-technology Co.,Ltd

Emergency telephone number:

Mandy

Tel:0086 15929909062

2.Composition / information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substance listed below with nonhazardous additions

65997-15-2	E-glass Fabric	58%
51876-91-2	Polyurethane Resin(1,3-Propanediol,2-ethyl-2-(hydroxymethyl),polymer with bis(isocyanatomethyl)benzene,R2O<0.8%	42%
43679-1-3	carbon black	1%

3.First-aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

If symptoms persist consult doctor.

Never give anything by month to an unconscious person.

Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed

via urethane pre-polymer, which is not classified as hazardous. But gloves should be worn to avoide unnecessary skin

Our Factory















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