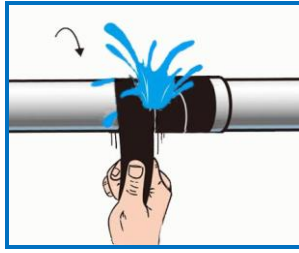


Fix-All-Pipes™

Instant Pipe Repair Kit



Polyurethane resin pre-impregnated fiberglass (glass fiber) cloth pipe repair, corrosion protection and maintenance system that will set even under water.

No mixing ! No measuring ! No waiting ! No cleanup !

The fiberglass cloth has been pre-impregnated with water activate polyurethane resin prior to packaging. Normal setting time is 10-30 minutes, but may vary depending on temperature. Water, salt or fresh is the activator!! This revolutionary product will set under water making it ideal for applications in the splash zone, corrosion protection reinforcement, piling protection and electrical insulation to 16,000 volts. It will retain pressure on supply lines and will function under intermittent temperatures **from -65°F(-54°C) to +572°F (300°C).**

Maximum heat resistance: 606°F (319°C).

It is ideal for all types of repair and maintenance applications. **Odorless, non-combustible and non-toxic** It can be sanded and painted if desired. Once set, gas, oil or diesel fuel will not affect the repair material.

Recommended Service Temperature: -45 °C to 250 °C

Application Temperature: 0 °C to 35 °C.(Max. to 65 °C)

Water, salt or fresh, is the activator !!

Feature

1. Can be used both in salt or fresh water.
2. Non-toxic, Non-combustible, Odorless
3. Repair leaking cracked or broken pipe of petroleum, oil, gasoline and organic solvent.
4. Can be applied to acid and alkali.
5. Can be used all sorts of metal, plastics, wood, rubber, PVC and glass.
6. Lessen a stop hour of industrial equipment.
7. **NP-SET for under non-pressure conditions.**
UP-SET for under pressure conditions.
8. Normally, can be used up to internal pressure of **1,740 psi** (120 bar / 122 kgf/cm²) after set.
Under pressure conditions (while the pipeline is still flowing), the pressure of the pipe should be less than 60 psi (4.1 bar / 4.21 kgf/cm²) before setting. But, each additional wrap of rubber and fiberglass tapes provide more pressure on the leak.

Shelf Life: 3 years and more if stored in cool and shaded area at room temperature.

Used on:

1. Repair leaking cracked or broken pipes of water, air, gas, oil, acid, alkali and organic solvent in metal, stainless, PVC, plastics, rubber and so on.
2. A dredging work pile, pipes of under water (fresh and salt) and underground.

3. A water supply pipes in golf course and farm.
4. All kinds of vessel, yacht and boat.
5. Repair a high pressure hose pipes of construction oil pressure machine and plastic catapult.
Repair a long term sailing vessel equipment.

Technical Data Sheet (Physical Property)

Structure	Test Method	Result
Tensile Strength	ASTM D 3039	20.8 kgf/mm ² (29,600 psi)
Flexural Strength	ASTM D 790	15.4 kgf/mm ² (21,900 psi)
Compression Strength	ASTM D 695-77	19.2 kgf/mm ² (27,300 psi)
Thermal Expansion Coefficient	ASTM E 831	7.6 x 10 ⁻⁵ / °C
Dielectric Strength	ASTM D 149	4.3 kV/mm
Flushing Point		Over 700 °C
Heat Resistance		319 °C

Chemical Resistance

Test Period 2 Months	Temperature	Surface changes	Type of surface change
Distilled water	73F	none	none
Sulfuric acid, 10%	73F	none	none
Sulfuric acid, 50%	73F	none	none
Hydrochloric acid 10%	73F	30 days	blistering
Hydrochloric acid 50%	73F	30 days	blistering
Nitric acid 50%	73F	30 days	blistering
Acetic acid 10%	73F	30 days	destruction
Formic acid 10%	73F	none	none
Soda solution, saturated	118F	none	none
Sodium hydroxide solution 20%	73F	none	none
Sodium hydroxide solution 20%	122F	none	none
Ammonia 10%	73F	30 days	blistering
Hydrogen peroxide 10%	73F	30 days	blistering
Fuel oil+10% water	122F	none	none
White spirit	73F	none	none
Toluene	73F	none	none
Xylene	73F	none	none
Methyl isobutyl ketone	73F	60 days	softening
Methanol	73F	2 days	softening

Gasoline	73F	none	none
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© Safety for Drinking Water

Meets ANSI/NSF 61 Standard
(Putty Stick – Made in USA by PSI)

RepairitQuik® Epoxy Putty Stick - About 20g –



NSF Certificate for Drinking Water



NSF Product and Service Listings

These Listings were Last Updated on Tuesday, November 18, 2008 at 4:15 AM Eastern Time. Please [contact NSF International](#) to confirm the status of any Listing, report errors, or make suggestions.

Warning: NSF is concerned about fraudulent downloading and manipulation of website text. If you have received this listing in hard copy, always confirm this certification/listing information by going directly to <http://www.nsf.org/Certified/PwsComponents/Listings.asp?Standard=061&> for the latest most accurate information.

NSF/ANSI STANDARD 61 Drinking Water System Components - Health Effects

NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing. Click here for a list of [Abbreviations used in these Listings](#).

POLYMERIC SYSTEMS, INC.

47 PARK AVENUE
BOX 522
ELVERSON, PA 19520
[610-286-2500](tel:610-286-2500)

Facility : ELVERSON, PA

Joining and Sealing Materials

Trade Designation	Size	Water Contact Temp	Water Contact Material
Patching Materials			
Faststeel®	[1]	C. HOT	EPOXY
E20M12	[1]	C. HOT	EPOXY
PSI Pox	[1]	C. HOT	EPOXY
Quikcopper®	[1]	C. HOT	EPOXY
Quikplastik®	[1]	C. HOT	EPOXY
Repairitquik®	[1]	C. HOT	EPOXY
270 Reservoir Sealant[2]	>= 5000 gal.	CLD 23	PUR
270 SL Reservoir Sealant[2]	>= 5000 gal.	CLD 23	PUR

[1] The exposed surface area of each sealant in a household distribution system shall not exceed 1.3 sq. cm/L or .2 sq. in./L

[2] System consist of Base, Activator, Color Pak and Primer 67. Mix ratio and application to follow use instructions. Minimum cure time 5 days. Water contact surface area to volume ratio not to exceed 1.5 sq. ft./5000 gal.

■ Product Sort:

1) NP Set: Under Non-Pressure Condition.

2) UP Set: Under Pressure Condition.

© Tape Size

Tape Widths	Pipe Diameter	Tape Size
2 inch	~ 2" (50mm)	5cm × 1.5m
3 inch	~ 3" (75mm)	7.5cm × 2.7m
4 inch	~ 4" (100mm)	10cm × 4.5m
6 inch	~ 6" (150mm)	15cm × 5.0m

* To repair wider diameter of pipes, you can just simply use more tapes.

e.g: For 7inch diameter pipe repair: use 3 rolls of 3inch tape or 2 rolls of 4inch tapes.

Sizes available:

Maximum : 30 cm x 25 meters (with MOQ 200 Sets)

Minimum : 5 cm x 0.75 meters

***Can be used as bullet proof material.**

UP SET [UNDER PRESSURE]

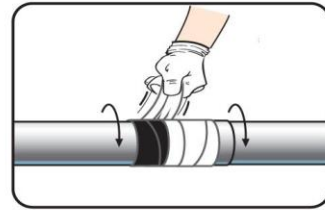
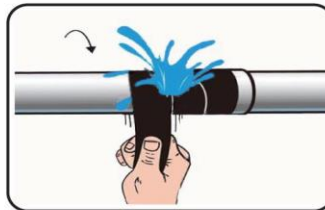
This Pipe Repair Kit combines a fiberglass cloth impregnated with a water activated resin and a **Self-amalgamating Pressure Sealing Rubber Tape**. This combination was designed to repair leaking cracked or broken pipes of **UNDER PRESSURE**. Normally, can be used up to pressure of 1,740 psi (120 bar / 122 kgf/cm²) after set. But under pressure conditions (while the pipeline is still flowing), the pressure of the pipe should be less than 60 psi (4.1 bar / 4.21 kgf/cm²) before setting. But, each additional wrap of rubber and fiberglass tapes provide more pressure on the leak. Once properly applied the **Rubber Tape** will stop your leak immediately! Its normal cure time is 15-30 minutes, but may vary depending on temperature. This system will repair PVC, metal, rubber, fiberglass, plastics, & etc. making it ideal for all types of repair and maintenance applications without the down time

Instant Pipe Repair Kit

One Roll of Tape , Pressure Sealing Rubber Tape & A Pair of Gloves

Fix-All-Pipes™ Under Pressure (Still Flowing)

Resin pre-impregnated fiberglass instant pipe repair, protection, reinforcement, corrosion protection and maintenance system that will set even under water.



☐ UP - 215 (50mm x 1.5m)

☐ UP - 327 (75mm x 2.7m)

☐ UP - 445 (100mm x 4.5m)

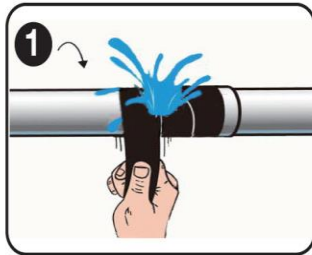
☐ UP - 650 (150mm x 5.0m)

Available sizes: Minimum 50mm x 0.75m
Maximum 300mm x 25.0m

Fix-All-Pipes™

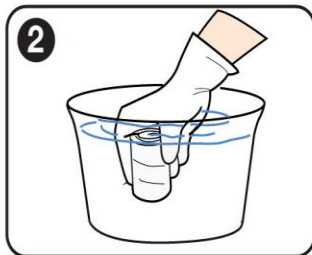
UNDER PRESSURE (Still Flowing)

**Repair all kinds of pipes and hoses
(of metal, plastic, concrete, rubber, PVC and glass)**

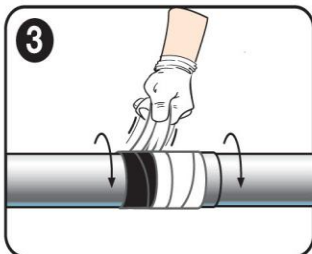


Remove the release line from the rubber tape.
Wrap the rubber tape directly over the leaking area.
Wrap as hard as possible overwrapping previous layers.
Each wrap provides additional pressure on the leak.
Secure the wrap by stretching and pressing down hard.

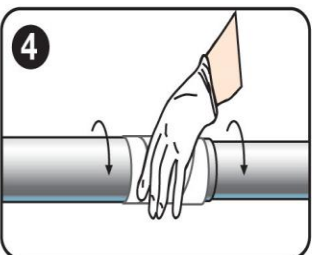
Wear goggles & gloves.



Take out the bandage from the foil pouch.
Immerse the bandage for 10 seconds
in temperate fresh or salt water.



Wrap the bandage firmly directly over the rubber tape.
Use the entire roll extending approx. 2" (5.0cm) beyond
& below the repair area.
**Please wind the tape at least 6 times (6 wraps) on the
leaking or broken spot.**
Most of the failure comes from less winding & tension.



Squeeze and mold in direction of wrap,
removing excess water, bubble and spreading resin until
the tape begins to set.
If needed, cut off the excess tape with knife or scissors.
Tools can be cleaned with alcohol or acetone.

아름다운세상
BEAUTOPIA

**Pipe Repair Tape, Anti-Corrosion Tape
Insulation Tape and Repair Products**

e-mail: pipekorea@hotmail.com

Made in Korea

NP SET [UNDER NON-PRESSURE]

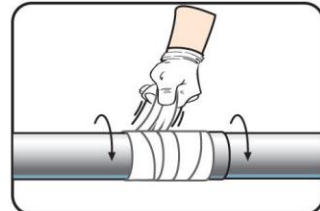
This Pipe Repair Kit combines a fiberglass cloth impregnated with a water activated resin and a unique **Putty**. This combination was designed to repair leaking cracked or broken pipes **UNDER NON-PRESSURE**. It has a normal cure time of 30 minutes, but may vary depending on temperature. This system will repair PVC, metal, rubber, fiberglass, plastics, & etc. making it ideal for all types of repair and maintenance applications.

Instant Pipe Repair Kit

One Roll of Tape & A Pair of Gloves + Putty (Optional)

Fix-All-Pipes™ Under No Pressure (Flow Off)

Resin pre-impregnated fiberglass instant pipe repair, protection, reinforcement, corrosion protection and maintenance system that will set even under water.



WITHOUT PUTTY

- ☐ NP - 215 (50mm x 1.5m)
- ☐ NP - 327 (75mm x 2.7m)
- ☐ NP - 445 (100mm x 4.5m)
- ☐ NP - 650 (150mm x 5.0m)

WITH PUTTY

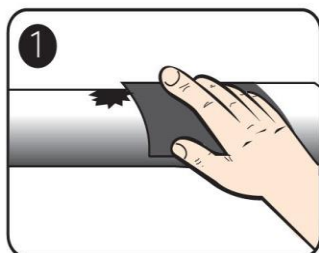
- ☐ NP - 215P
- ☐ NP - 327P
- ☐ NP - 445P
- ☐ NP - 650P

Available sizes: Minimum 50mm x 0.75m
Maximum 300mm x 25.0m

Fix-All-Pipes™

UNDER NON-PRESSURE (Flow Off)

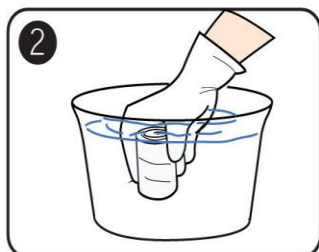
**Repair all kinds of pipes and hoses
(of metal, plastic, concrete, rubber, PVC and glass)**



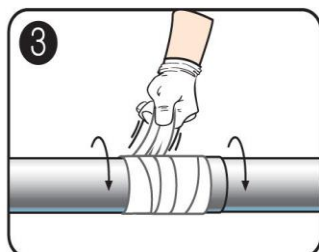
Shut off pipes or hoses before repair.
Clean & roughen the area to be repaired
using cloth, emery paper, file or wire brush.
(Knead the putty well until uniform in color.
Apply to repair within 2 minutes.) →



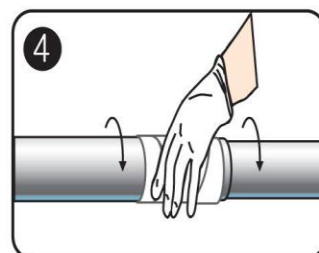
Wear goggles & gloves.



Take out the bandage from the foil pouch.
Immerse the bandage for 10 seconds
in temperate fresh or salt water.



Wrap the bandage firmly,
using the entire roll extending approx.
2" (5.0cm) beyond & below the repair area.
Please wind the tape at least 6 times (6 wraps)
on the leaking or broken spot.
Most of the failure comes from less winding & tension.



Squeeze and mold in direction of wrap,
removing excess water and spreading resin until the
tape begins to set.
If needed, cut off the excess tape with knife or scissors.
Tools can be cleaned with alcohol or acetone.



**Pipe Repair Tape, Anti-Corrosion Tape
Insulation Tape and Repair Products**

e-mail: pipekorea@hotmail.com

Made in Korea