

# Technical Submittal Pipe Leak Repair Solution

## Introduction

Flow Solutions Trading Co. take pride introducing MEGAFIX simple solution for a complex problem in pipe lines

Our ongoing efforts to differentiate ourselves with innovative new products and technologies to meet our customer requirements is our corporate focus.

With this submittal we aim to reduce your downtime and loss due to unexpected leakages in pipeline.

Megafix a Polyurethane Impregnated Fiberglass Wrap which gets activated by water is an innovative simple solution for leak repair. Be it on joints or pipes affected by corrosion. Since the product is activated by water, direct underwater application is also possible.

Unlike other solutions Megafix does not require expensive clamping, isolation or cutting. Megafix can be directly applied to the area that need repair with minimal tools, rest assured affected area is sealed permanently.

Free Product sample kits are at our disposal and may be delivered to you for testing and approval.

If you have any queries related to this product, please send us an mail which will be duly answered by our technical team.

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Other key features are listed below.

- **[Made in Korea]** by orthopedic splint manufacturer founded in 1984. Applying our special processing method, contents ratio of resin to fiberglass fabric is 4 to 1; meaning, if thoroughly installed, any types of leakage will be completely blocked.
- **[VERIFIED]** Since first introduced in Korean market in 2006, the product has been developed reflecting our customers' feedback and comments. Now it is #1 most selling pipe repair kit in Korea, and finally launching in Saudi Arabia to hear your voice.
- **[TIME SAVING & COST EFFECTIVE]** For your better understanding of how to use, we prepared a two minutes of video demonstration and a detailed instruction inside the kit. After carefully watching the video or read instruction, the expected installation time is less than 5 minutes. NO specialist required for installation.
- **[PERFORMANCE]** After installation, being hardened like steel and stronger than duck-tape, pressure limit is max 27.5 bar and heat resistance is 370°F. The numbers imply that MEGAFIX can be used for hot steam-pipe at industrial factories as well.
- **[EFFECTIVENESS]** We self-tested MEGAFIX being fully submerged in various chemicals from acid, gasoline, butanol, to sea water for 40 days and no product damage found. Also, no other similar products have been tested underwater usage, and we did and ours worked just well.

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### Features & Benefits:

- ⬆ Quick setting, 15 mins!
- ⬆ Do It Yourself, cost effective!
- ⬆ Pressure limit : 27.5bar max
- ⬆ Temp. limit : -20 ~ 370°F
- ⬆ Resin content ratio to fabric, 4 to 1
- ⬆ Save your pipe replacement cost
- ⬆ Hardens like steel
- ⬆ Stronger than duck tape
- ⬆ Pefect solution for pipe damage
- ⬆ Underwater usage is possible

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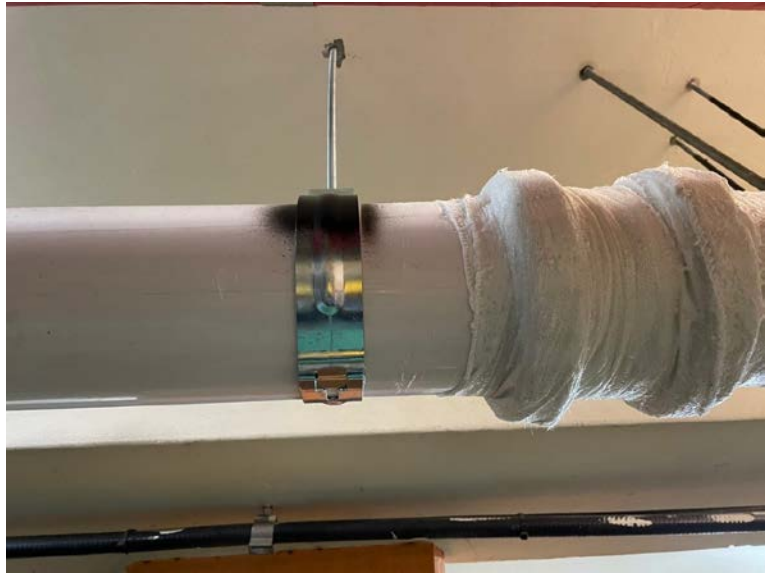
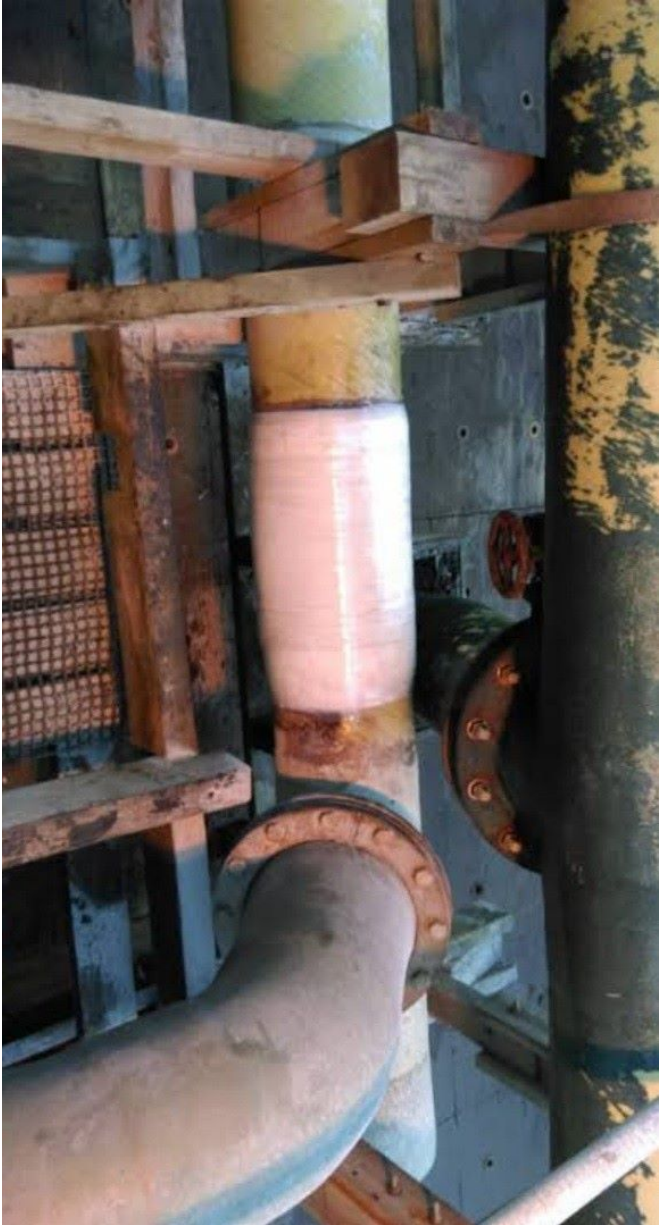
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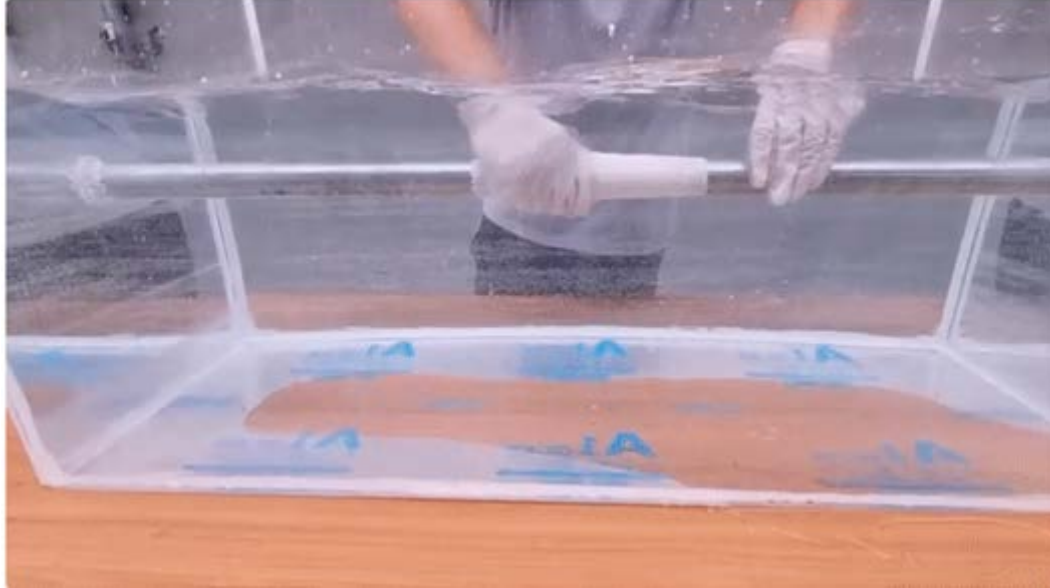
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## MEGAFIX PIPE REPAIR KIT FEATURES

**This repairs leaks, reinforces pipes and protects against corrosion, abrasion and impact.**

- Quick setting
- No other special tools required
- Sufficient resin is contained in order to make your fix perfectly water-proof
- Can be applied onto any material, PVC, ABS, copper, rubber, wood and plastic
- Reinforces pipe, steel strength
- is resistant to most harsh chemicals
- Pressure limit: 400psi/27.5bar max,
- Temperature resistant: -20 ~ 370°F
- Minimize production delay due to unplanned maintenance
- Hardens like steel and stronger than duck tape within 30 mins
- Can be easily cut by scissors before hardening to perfectly fit your size needs
- is a fast, easy to use, durable and cost-effective pipe repair solution
- **Underwater usage is possible**

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## Test Results

Tests	Test Results	Standard
Tensile Strength (N/full width)	2 616	ASTM D 638-2003
Elongation (%)	3.1	ASTM D 638-2003
Heat Resistance (°C)	The test specimens were burned and broken to pieces.	600°C ±2
Compressive strength (kgf)	52.5	Modified ASTM D 695-2002

## Application Area

Industry	Application	Reason
Steel smelter works	Processing: blast furnaces, water, steam, product pipes	Emergency repairs until shut down
Steel sheet & coil manufacturing	Processing: steam and water pipes	Emergency repairs to burst pipes
Power Plant	Ash transfer systems, pulverized fuel tubes, cooling water lines	Emergency repairs to transfer systems and lines
Merchant shipping	Engine room	Emergency repairs while at sea to fuel, oil, water and waste lines, Damage control within engine room and fire fighting facilities
Motor Vehicle manufacturing	Production manufacturing plant	Emergency repairs to leaking water and steam pipes
Domestic	Pipe and boiler	Repairs to cracked or leaking pipes

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## Technical Submittal Pipe Leak Repair Solution

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### Video Link

[https://youtu.be/90yv\\_suBEhM](https://youtu.be/90yv_suBEhM)

Live service line

<https://youtu.be/DFKxTRljFNc>

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