



WS 9000

Liquid Leakage Repair Tape

TDSWS9000EN Ed. 1.1 - 05/06/2026



GENERAL INDUSTRY

Technical Data Sheet

Description

WS 9000 XS-M-L-XL is a polyurethane-reinforced fiber tape designed for rapid repair of liquid leaks in all types of industries and countless other applications. It is quick and easy to use, and repairs are completed in 30 minutes. It can also be used for emergency repairs due to breakage on all types of tools.

Characteristics

- Withstands temperatures from -45°C to 305°C once cured.
- Withstands up to 30 bars of pressure.
- Ready to apply in 30 seconds.
- Excellent adhesion to most surfaces, including metals, plastics, PVC, PP (polypropylene), PE (polyethylene), concrete, glass, wood, etc.
- Curing in 30 minutes.
- Good conformability and flexibility in complex areas such as curves and elbows.
- Can be machined and painted.
- Provides a highly resistant chemical coating.
- It is resistant to most aggressive chemicals: acetone, ammonia, 30% sulfuric acid, ethyl alcohol, white spirit, gasoline, methyl ethyl ketone, toluene, diesel, hydrochloric acid, varsol, ethylene glycol, petroleum, lubricating oils, etc.
- Extremely useful for pipe repairs where the fluids or vapor are flammable and welding or spark-causing tools cannot be used.

Applications

- Repair of leaks in potable water lines.
- Repair of leaks in chemical lines.
- Repair of steam lines.
- Repair of underwater lines.
- Repair of lines in irrigation systems.
- Repair of all types of tools, hammers, shovels, etc.
- Emergency repair of welded structures, such as joints, pipes, and supports.
- Pipes with leaks, cracks, and corrosion.
- Repair of utensils, bicycles, chair legs, tables, and ladders.
- Not recommended for Teflon or silicone pipes due to rebound force.

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How to use

Select the tape size based on the diameter of the pipe or part to be repaired. See table below:

Reference	Tape Size	Pipe diameter coverage
WS 9000 XS	5 x 180 cm	5 cm
WS 9000 M	7,5 x 270 cm	10 cm
WS 9000 L	10 x 360 cm	14 cm
WS 9000 XL	15 x 500 cm	20 cm

Note*: Larger diameters can be repaired; all tapes can be spliced in the same repair, without limit.

1°.-Turn off the fluid flow. If you cannot completely shut off the flow, try reducing the pressure to a minimum. Clean and lightly file the leaking area for better tape adhesion when applied.

2°.-Wear the gloves found in the product box. Open the package from the top and add water inside. The water should cover the entire tape. Keep the tape submerged for 30 seconds.

3°.-Apply the tape firmly with each wrap, starting at the intact part of the pipe or part. Once you have completed a full wrap, spiral toward the leak, and a little further beyond, continue applying it in a spiral to the adjacent parts and the leak. It is recommended to apply 8 to 10 wraps, and each layer should overlap the previous layer by approximately 90%. Depending on the type of repair, size, and shape, it may be necessary to use more than one tape. If so, the second and any subsequent ones should be applied immediately over the previous tape.

4°.-Before it begins to set, press and mold the tape with your hands in the direction of the layers. This will achieve a smoother and more even surface. Let the tape sit until it has completely set, estimated at 30 minutes depending on the ambient temperature.

5°.-Once full curing has taken place, you can paint, machine the tape if necessary and you can reconnect the normal flow of the pipe.

Certificacions/Specifications

- WRAS (Water Regulations Advisory Scheme) certification.
- Approval number: 2105515.
- WS 9000, CERTIFIED FOR SAFE USE IN POTABLE WATER SYSTEMS.

Technical Data

Property	Specification/Method	Value
Reference	- - - - -	WS 9000
Aspect	- - - - -	Tape
Color	- - - - -	White
Application time once soaked in water	- - - - -	2-5 minutes
Application temperature	- - - - -	-20°C to 60°C
Full curing	- - - - -	30 minutes
Full set	- - - - -	24 h
Pressure resistance	- - - - -	Up to 30 bar
Cured service temperature	- - - - -	-45°C to 305°C
Expiry date and batch number	- - - - -	Check in the packaging

Storage, hygiene and safety

- It is recommended to store in its original packaging in a cool, dry place.
- Under normal conditions, the product is guaranteed for a minimum of 3 years from the date of production.
- Gloves must be worn when handling this product.

Note:** From 24 August 2023, it will be mandatory to have the appropriate training in order to use products containing diisocyanates for industrial or professional purposes. Further information is available at www.feica.eu/PUinfo.