Wencon Pipe Tape

The fast curing water activated fibreglass pipe wrap, for a fast and effective repair of cracks, leaks and fractures on pipes carrying water, oil, steam, most gases and even solvents.

- Quick and effective to use
- No mixing – No tools
- Water activated
- Ready for use in 10 seconds – cures in 10-30 minutes
- Suitable for all pipes and surfaces

General information

Wencon Pipe Tape is a pre-impregnated fibreglass bandage with a knitted non-woven fibreglass structure, that gives the bandage maximum strength and facilitates repairs on corner joints, elbows and other shaped fittings.

The Wencon Pipe Tape is a fast curing pipe repair bandage especially formulated to make quick and effective repairs of cracks, leaks, fractures, and corrosion porosity

Application areas

Typcal applications are repairs in piping carrying water, oil, steam, most gases and even solvents. Wencon Pipe Tape has good pressure, temperature and chemical resistance.

Packaging

Wencon Pipe Tape is available in 3 standard sizes;

- 5 cmx150 cm (2x 60 inch.), designed for pipes up to 50 mm (2 inch) diameter
- 5 cmx350 cm, (2x140 inch) designed for pipes up to 125 mm (5 inch) diameter
- 10 cmx350 cm (4x140 inch) designed for pipes up to 200 mm (8 inch) diameter

The Wencon Pipe Repair Kit contains Wencon Putty, repair bandages, gloves and plastic bags.

Product numbers:		IMPA no.	ISSA no.
No. 1044	Wencon Pipe Tape, 2 units (10cm x350cm) (4x140 inch)	812328	N/A
No. 1045	Wencon Pipe Tape, 5 units (5cm x150cm) (2x60 inch)	812344	75.553.30
No. 1046	Wencon Pipe Tape, 4 units (5cm x350cm) (2x140 inch)	812348	75.553.31
No. 1047	Wencon Pipe Repair Kit, 2 units/ (5cm x150cm) (2x60 inch) + putty (125gr)		
No. 1048	Wencon Pipe Repair Kit, 5 units/ (5cm x150cm) (2x60 inch)+ putty (125gr)		

WENCON®

GENERAL DESCRIPTION

A preimpregnated fibreglass bandage for repair of cracks, leaks, fractures and corrosion porosity.

SURFACE PREPARATION

Prepare the surface by cleaning and abrading the area surrounding the damage.

Degreasing with Wencon Bio Cleaner will improve adhesion.

MXING RATIO

No mixing is required

Wencon Pipe Tape is pre impregnated with polyurethane resin and is water activated.

POT LIFE

4-6 minutes depending on air and water temperature.

APPLYING

ALWAYS WEAR PROTECTIVE GLOVES.

Select the correct size Wencon Pipe Tape.

Prepare the surface by cleaning and grinding the area surrounding the damage.

Stop the leakage with Wencon Putty if necessary.

Unpack the Wencon Pipe Tape and soak it in water for 10 seconds.

Wrap the Wencon Pipe Tape firmly around the pipe with 50% overlap. A minimum of 9 complete windings is recommendable.

Continue to smoothen the surface and to apply pressure to the bandage with a wetted glove, until it stops bobling and starts to cure. This is important for closing the pores.

For larger diameters, use a second bandage to complete the repair. Wencon Pipe Tape requires no tools.

CURING TIME

The bandage cures in 10-30 minutes and is fully cured within 1 hour at 20°C (68°F)

MACHINABLE

No post curing machining necessary

TECHNICAL DATA

Pipe pressure without Wencon Putty: 10 Bar (145 p.s.i.) *)

Pipe pressure with Wencon Putty: 50 Bar (725 p.s.i.) *)

Flexural strength: **ASTM D709** 111 N/mm².

Tensile strengt: **ASTM D638** 172 N/mm². (15,800 p.s.i.)

Compression strength: **ASTM D695** 180 N/mmsq. (25,600 p.s.i.)

Adhesion at one-inch single overlap: 19 N/mm².

Dielectric strength: 16 KV/mm²

Shear adhesion: 19 N/mm² **(ASTM D1002)**

TEMPERATURE RESISTANCE

Continuous: 120°C (248°F)

Peak: 190°C (374°F)

CHEMICAL RESISTANCE

The Pipe Tape is resistant to oil, water, salt water and most diluted acids and alkalis as well as a range of solvents.

SHELF LIFE

At 20°C (68°F) : 3 years

HANDLING PRECAUTIONS

Read the Wencon Instruction for Use and the Material Safety Data Sheet.

*) Laboratory tests have shown higher values, but the mentioned values will count for repairs done in situ. Users are advised to make their own tests if any doubt.