

NB! READ THE INSTRUCTIONS BEFORE USE

# Wencon Pipe Repair Kit

Fast curing pipe repair kit, made for quick and effective repairs of cracks, leaks, fractures and corrosion porosity in pipings. No tools needed. Suitable for all pipes and surfaces.

 **Designed for maritime use** – Your safeguard when pipes fail

 **Proven and reliable** – Tested in lab, fieldproven through decades

 **10–30 min. curing time** – Less downtime



## General information

Wencon Putty and Pipe Tape form a powerful duo for quick and durable repairs of corroded and damaged metal surfaces.

Wencon Putty is a fast-curing, two-component epoxy in a practical stick format, easy to apply directly to the affected area. It bonds strongly to all metals, is non-conductive, and resists oil, water, salt water, most diluted acids, and temperatures up to 250°C.

Wencon Pipe Tape is a pre-impregnated fibreglass tape with a flexible, knitted structure that ensures high strength and easy application, even on irregular shapes like elbows, joints, and fittings.

## Application

Both products are widely used for emergency repairs where quick curing and strong bonding are essential. Typical application areas include sealing, filling cracks, stopping leakages and holes in pipes, flanges, tanks, and other equipment carrying water, oil, steam, most gases, and various solvents.

## Customer Benefits

### Wencon Putty

Cures in 10–20 minutes

Simple apply procedure with cut and knead

Fill out and seal cracks, leaks and holes

Strong adhesion to all metal surfaces

Fully machinable

### Wencon Pipe Tape

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

**Pipe Tape usage chart**

Check below chart for needed pipe tape based on pipe diameter.



Outer Pipe Diameter	Pipe Wrap Length	9 x Wraps	Wencon Pipe Tape Quantity (rolls)	Wencon Pipe Tape Quantity (rolls)
mm	mm	mm	5cm x 150cm	5cm x 350cm
15	47	423	One	
20	63	567	One	
25	79	707	One	
32	101	905	One	
40	126	1131	One	
50	157	1414	One	
80	251	2262	Two	One
100	314	2828	Two	One
125	393	3535		One
150	471	4242		Two
200	628	5656		Two
250	786	7070		Two
300	943	8483		Three

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

The solution has been tested on pipes with an outer diameter of 60.3 mm (DN50) and 114.3 mm (DN100) using a Ø5 mm hole.

While the product has been certified for safe use up to 50 bar, actual test results have shown significantly higher pressure resistance. When applied according to the guidelines, pipes with smaller diameters are also expected to withstand 50 bar under the same conditions.

Scan for website


**Product numbers:**

No. 1047 Wencon Pipe Repair Kit, 2 units/(5cm x150cm) (2x60 inch) + putty (125gr) N/A

No. 1048 Wencon Pipe Repair Kit, 5 units/(5cm x150cm) (2x60 inch)+ putty (125gr) N/A

**IMPA no.**
**ISSA no.**

## Wencon Putty

### SURFACE PREPARATION

The surface must always be clean, dry and grease free.

Improved adhesion can be obtained by grinding or Grit blasting of the surface, prior to application.

### APPLYING

**ALWAYS WEAR PROTECTIVE GLOVES.**

Each stick contains both Base and Activator. Cut off the required amount and knead it until an even colour is obtained.

After kneading, place the Wencon Putty on the prepared surface and massage or press it into the surface using the fingers.

Heat cold work pieces for better adhesion.

### POT LIFE

Depending on amount mixed and temperature. Mixed in small amounts, the pot life is approximately 3–6 minutes at 20°C (68°F)

### CURING TIME

Initial setting will take place in 15 minutes and the compound is ready for machining in just 30 minutes.

Wencon Putty obtains full mechanical strength after only 2 hours.

### MACHINABLE

After curing, the product can be machined, drilled and worked like metal.

### TECHNICAL DATA

**Hardness Shore D:** 85 (DIN 53505)

**Tensile strength:** 4,6 N/mm<sup>2</sup> – 655 p.s.i. (DIN 53454)

**Compressive strength:**

Rcrack: 35,14 N/mm<sup>2</sup> – 5,000 p.s.i. (DIN 53454)

**Shear adhesion:** 4,5 N/mm<sup>2</sup> – (ASTM D1002)

**Adhesion to steel:** 4,5 N/mm<sup>2</sup> – (ISO 4624)

### SPECIFIC VOLUME

500 cm<sup>3</sup> per kilogramme (33,9 cu inch/kg)

### TEMPERATURE RESISTANCE

**Corrosion:** 60°C (140°F)

**Light load:** 120°C (248°F)

**As filler:** 250°C (482°F)

### CHEMICAL RESISTANCE

The compound 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 Safety Data Sheet.

#### Product numbers:

No. 1040 Wencon Putty, 8×125g (8×0,28 lb) unit  
No. 1042 Wencon Putty, 4×125g (4×0,28 lb) unit

#### IMPA no.

812342  
812329

#### ISSA no.

75.553.40  
N/A

## Wencon Pipe Tape

### SURFACE PREPARATION

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

Degreasing with Wencon Bio Cleaner will improve adhesion.

### MIXING RATIO

No mixing is required

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

### POT LIFE

3 minutes depending on air and water temperature.

### APPLYING

ALWAYS WEAR PROTECTIVE GLOVES.

Refer to Instructions for use for details application guidance.

1. Select the right Wencon Pipe Tape size.
2. Blast and clean around the damaged area.
3. Seal any leakage with Wencon Putty.
4. Soak the tape in water for 10 seconds.
5. Wrap Pipe Tape firmly around pipe min. 9 wraps with 50%overlap.
6. Dip gloves in water and smoothen pipe tape with hands in the direction of wrap until it sets.

Use extra tape for large pipes. No tools needed

### 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 with Wencon Putty:**

50 Bar (725 p.s.i.) \*)

Tested on pipes with an outer diameter of 60.3 mm (DN50) and 114.3 mm (DN100) with a Ø5 mm hole.

**Flexural strength:** ASTM D709 111 N/mm<sup>2</sup>.

**Tensile strength:** ASTM D638 172 N/mm<sup>2</sup>.  
(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/mm<sup>2</sup>.

**Dielectric strength:** 16 KV/mm<sup>2</sup>

**Shear adhesion:** 19 N/mm<sup>2</sup> (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 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.

#### Product numbers:

No. 1044	Wencon Pipe Tape, 2 units (10cm x 350cm) (4x140 inch)
No. 1045	Wencon Pipe Tape, 5 units (5cm x 150cm) (2x60 inch)
No. 1046	Wencon Pipe Tape, 4 units (5cm x 350cm) (2x140 inch)

#### IMPA no.

812328

#### ISSA no.

N/A

812344

75.553.30

812348

75.553.31