

Pipe repair - cable pipes

APPLICATION DATA SHEET No. 153

Wencon Pipe Tape is a very quick and easy way of repairing cable pipes.

Wencon Pipe Tape is a fibre reinforcement tape impregnated with a polyurethane resin. It is activated by water, and shall be wrapped tight around the pipe as shown below.

Wencon Pipe Tape can be painted with all types of ship paint.



1. Clean the pipe and grind it with emery paper or the like. See Wencon surface preparation, next page.



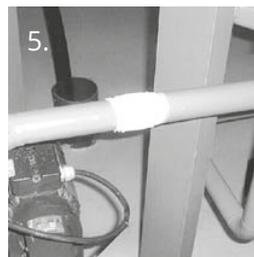
2. Unpack the Wencon Pipe Tape and submerge it in water for 10 seconds.



3. Wrap the Wencon Pipe Tape tight around the pipe (min. 9 circles), with 50% overlap, extending 50 mm beyond the damage.



4. Continue by wetting the outside of the bandage in the direction of the wrap, until the bandage begins to set.



5. After 10 minutes the products semi cures, and after 60 minutes it is fully cured at 20°C (68°F).

WENCON Pipe Tape usage chart

Pipe Diameter	Pipe Circ.	9xCircles	Pipe Tape	Pipe Tape
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

Wencon surface preparation

Choose the relevant surface preparation, depending on the nature of the job.

Surface preparation using dry blasting methods:

Application with Wencon products on a dry surface, at minimum 3°C above dew point.

1. Blast the machine part to SA 2,5 using sharp-edged blasting media, to a roughness of min. 75 microns.
2. Leave the part for sweating out salts in a warm place for at least 12 hours or heat it up to 30 - 40°C (86-104 °F) using gas torches.
3. Blast again to SA 2,5, prior to the application.
4. For parts containing a lot of water and salt, it may be necessary to repeat point 2 and 3, until the surface remains light grey, for at least 2 hours after blasting.
5. For optimal adhesion of Wencon products, always use Wencon Bio Cleaner or Wencon Cleaner prior to application. Follow one of below two methods:
 - 5.1 **Wencon Bio Cleaner**
Wet surface: Apply Wencon Bio Cleaner and let it work for 5-10 min. If necessary use a brush, to make sure the surface is clean. Rinse off with clean water and wipe off with an absorbing cloth.

Dry surface: Apply Wencon Bio Cleaner and let it work for 5-10 min. If necessary use a brush, to make sure the surface is clean. Rinse off with clean water and dry with an absorbing cloth or with compressed air for a completely dry surface. Hereafter any Wencon products can be applied.
 - 5.2 **Wencon Cleaner**
After surface preparation, apply Wencon Cleaner with a brush and allow the product to evaporate before applying other Wencon products. Wencon Cleaner is non-flammable. Use only in large or well ventilated rooms.

Surface preparation using wet/damp methods:

Water jet the entire surface with water and sand to a standard equal, to SA 2,5 as described above.

If the surface is left wet after surface preparation, is it important to dry out the surface or alternatively use a Wencon UW product.

Surface preparation for emergency/temporary applications:

If above surface preparation methods are not possible, it may be necessary to use one of below methods:

- Blasting
- Grinding
- Needle Gunning

In emergency / temporary applications it may be difficult to prepare the surface according to above methods. In any case, it is important to clean the surface to SA 2,5 and 75 microns roughness. If possible dry the surface before applying. If not possible, use Wencon UW products.

For further information on Wencon surface preparation, please contact our Area Sales Managers.