

Technologies and materials for repairing pipes





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Pipe repair from inside the pipe

SECTIONAL REPAIR (up to 5 m in length)

- Wet Method

Silicate Resins Fiberglass fabric Inflatable packers Accessories











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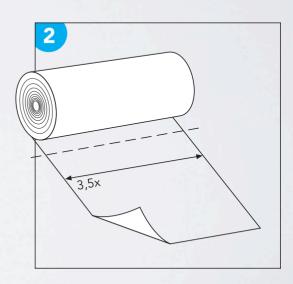
Pipe repair from inside the pipe

SECTIONAL REPAIR (up to 5 m)

- Wet Method

Ensure traffic safety
Ensure work safety
Clean working site

Cut the fiberglass material: 3,5 x the length of inside diameter of pipe 3 x the length of surface you want to repair





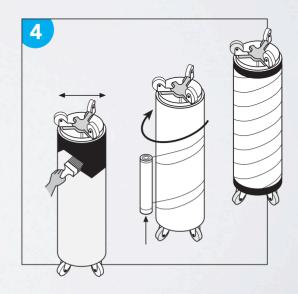
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The width of fiberglass = $3.5 \times \emptyset$ **Length of fiberglass = 3 x the length of repair**

Divide the length of Fiberglass on 3 parts

1/3

Prepaire Packer
Grease packer with seperation grease
Wrap the Packer 3-times with Strech folie or
with the construcion folie.

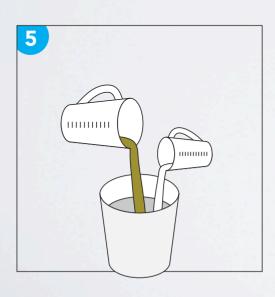


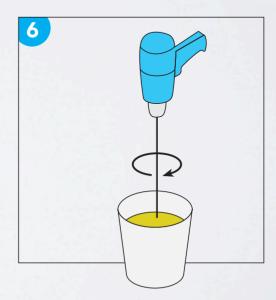


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Mix component B and A in the ratio 2:1
The consumption of resin is = 1,6l/m² of fiberglass

Mix the component A and B Do not exceed 10 I of mixture



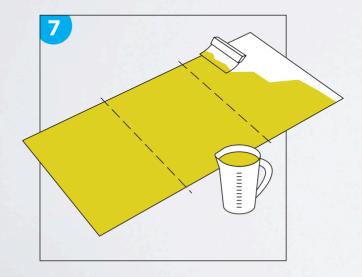


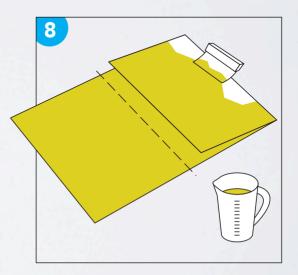


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Impegnate the upper side of fiberglass

Fold fiberglass and impregnate





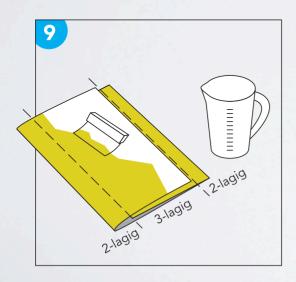


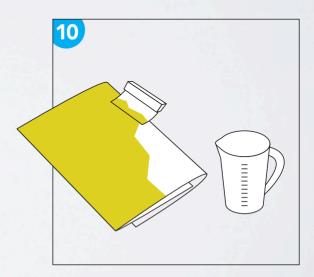
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Fold the fiberglass for the second time and impregnate

Turn around fiberglass and impregnate the rest of the fiberglass.

Now the whole fiberglass surface is impregnated.



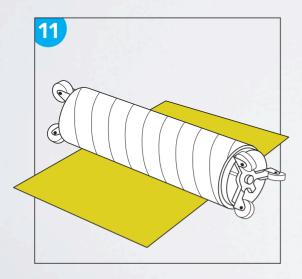


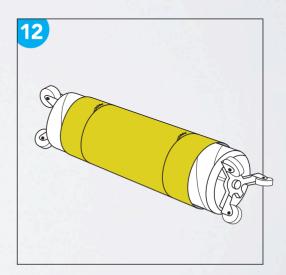


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Wrap/turn the impregnated fiberglass on the prepaired packer.

Secure the wrapped fiberglass with wire. Do not tighten the wire!

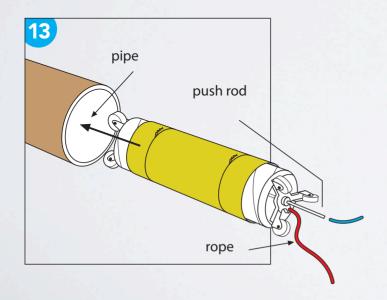


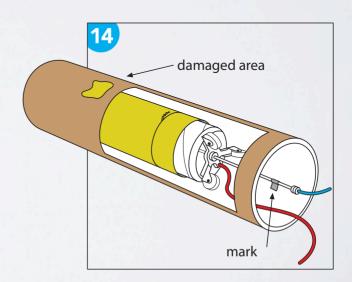




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With push rod drive the prepaired packer and impregnated fiberglass into the pipe. Set the middle of the packer (contact area) to the point in the pipe you want to repair.





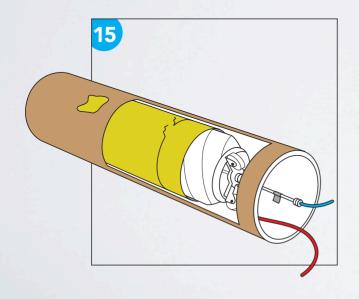


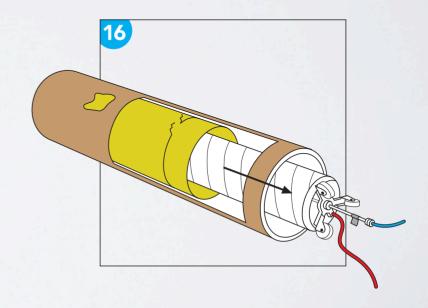
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When everything is prepaired and positioned correctly, inflate the packer.

Compression force will press the impregnated fiberglass on the damaged point.

After curring time, deflate the packer and pull it out.



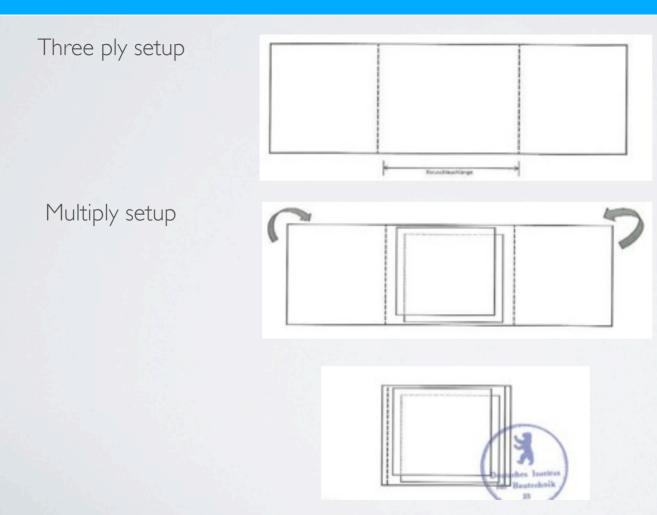




How to fold the reinforcement

World of pipe repair

Technologies and materials for repairing pipes





How to fold the reinforcement

World of pipe repair

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00 25 50	35 cm 45 cm	Width cm 127 cm	Surface m ²	Resin mixture **	Comp. A glass	Comp. B resin
25		127 cm		mitte!	Litter	Litter
	AE om	1601 60111	0,45 m ²	0,751	0,251	0,501
50	45 Cm	127 cm	0,55 m ²	0,901	0,301	0,601
00	55 cm	127 cm	0,70 m ²	1,05	0,351	0,701
00	70 cm	127 cm	0,90 m ²	1,501	0,501	1,001
50	90 cm	127 cm	1,10 m ²	1,801	0,601	1,201
00	110 cm	127 cm	1,50 m ²	2,401	0,801	1,601
00	140 cm	127 cm	1,80 m ²	2,85	0,951	1,901
00	175 cm	127 cm	2,20 m ²	3,601	1,201	2,401
00	210 cm	127 cm	2,70 m ²	4,201	1,401	2,801
700 2	250 cm	127 cm	3,10 m ²	5,10	1,701	3,40
•1	* The mat length = pipe diameter x 3,5					
**	** specific resin requirements = 1,6 l/m²					
		Comp. A : Comp.				