

Before carrying out any repair ensure that the pipe is clear of any debris, roots etc. and the walls are cleaned if necessary using a high-pressure jetter.

Measure accurately the distance from the manhole to the area to be repaired and transfer this dimension to the packer and pushrod assembly.

Ensure that the packer is protected from the resin at all times.

Ensure that the packer is the correct size for the pipe.

Ensure that the packer is not over inflated.

Wear both pairs of gloves when applying the resin and discard the top pair when finished handling the resin mat.



1 Slide the packer into one of the protective sleeves and secure at both ends with the cable ties then cut off any excess length of sleeve. The tie at the end furthest from the air supply should be pulled tight but the end nearest the air supply should be slack to allow air to escape when the packer is inflated against the inside of the pipe. Place this assembly into the second protective sleeve and secure with one cable tie only at the end furthest away from the air supply.



2 Lay out the protective plastic sheet and place the fibreglass mat on the sheet with the shiny smooth side uppermost.



3 Pour the small bottle of hardener into the larger bottle containing the resin, seal and shake vigorously until the mixture is a uniform caramel colour.



4 Pour one half of the resin onto the fibreglass mat. Using the spreader provided, spread the resin evenly over the surface of the fibreglass mat making sure that the whole area is covered.



5 Make the first fold bringing the edge to 25mm passed the centre line of the mat. Apply a quarter of the remaining resin to the folded over area and spread evenly over the area.



6 Make the second fold bringing the edge over the first folded area to give a 50mm overlap. Apply a third of the remaining resin to the folded over area and spread evenly over the area. Turn the mat over and spread the remaining resin evenly over this area.



7 Place the packer onto resin coated mat and roll the mat around the packer allowing it to overlap.



8 Using the metal ties secure the mat onto the packer. These ties should be positioned 25mm from the each end of the mat. Secure the ties by turning the ends 2 or 3 half turns and cut off any excess wire. Slightly inflate the packer to help retain the mat on the packer.



9 Connect the short inflation hose and the required number of push rods onto the packer. Ensure the locking rings on the push rods are tightened.



10 Insert the packer into the pipe and slide it into position at the centre of the repair. Inflate the packer to the required pressure and allow the resin to cure. Approximately 2 hours, but times may vary according to temperature. Deflate the packer and remove from the pipe to provide a permanent repair. Take care on inflation of the packer in old or badly damaged pipes as full pressure may cause further damage.

For more information please contact us

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