

Example of a Successful Application Ram / Rod Repair - Waterproofing Joints

I am often asked about SEALING the JOINT where a PIPE is protruding through a concrete wall. This can commonly be in a WATER out-fall situation and seems to be a problem for most end users.

The THISTLEBOND answer to this problem is as follows:

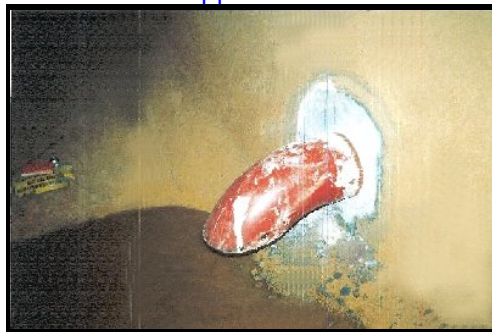
Surface Preparation

This can be carried out by manual cleaning with appropriate scarifiers (wire brush / rotary brush / scabbling tool etc.) but the preferred method would be to use High Pressure WATER JET equipment.

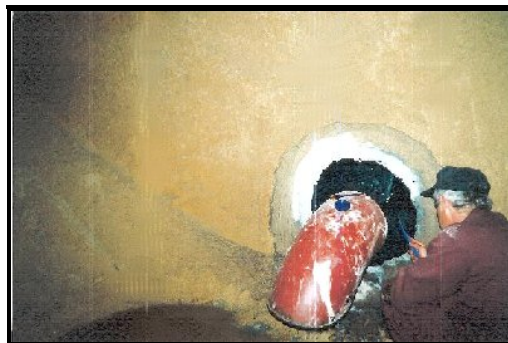
Products to use

- Thistlebond TR 300 (60 Durometer Fluid Elastomer)
- Thistlebond TBRT 4 (Reinforcement Tape)
- Advanced Polymers Poly Wall Waterproofing - PWW -(polymer cement system - supplied in 2 X 10 kilo units)

Application



After the PWW had cured(10 days) - 2 layers TR 300 were applied onto the wall and pipe with reinforcement tape between layers.



Advantages

The above method provides an opportunity for application onto a wet surface (PWW) and also ensures flexibility in the joint between concrete wall and metal pipe. Any vibration, shocking or thermal cycling is therefore dealt with WITHOUT breaking the integrity of the seal obtained by using THISTLEBOND and ADVANCED POLYMER products between the wall and pipe outside diameter.

APPLICATION submitted by Rendor Distributor, Poland

Another 'Picture Proof' as submitted by a NEW DISTRIBUTOR in the Philippines is for the tremendous cost saving advantages that can be obtained by using THISTLEBOND Metal Repair Range of products (TR105 / 110 / 100 / 19063)

The photograph below shows a large STAINLESS STEEL RAM.



The shaft is in a lathe where the badly worn area has been undercut to a MINIMUM of 6mm (3/8") to enable enough Thistlebond TR105 to be mixed and applied to the area. Please note that the EDGE of the SHAFT on both sides where the Metal Repair is being carried out are at a 45% angle. This is an IMPORTANT part of repairing metal shafts.



The edges are being taped to prepare for the coating to be carried out.



The shaft has now been prepared and the lathe used to cut down excess metal repair product and produce a uniform outside dimension.

Thistlebond will hold tolerances as required by the most exacting criteria. Thistlebond also resist attempts to vary in dimensional size even after full curing has taken place.

Machining can occur in the 'green' stage of curing. That is to say, after the INITIAL cure an end-user can machine and then wait for a FULL cure prior to using the equipment.

Submitted by a BRAND NEW Distributor in the Philippines

For more information on this application and others in the "Good Ideas" section of this web site, please email goodideas@thistlebond.info