

## Example of a Successful Application Internal Pipe Protection - Sales Opportunities

For all distributors who are involved with **PUMP / VALVE** overhaul work there are also **MANY** sales opportunities in being able to offer **INTERNAL** pipe protection to their customers. Most industrial accounts are today experiencing some form of abrasion or erosion attack to their production equipment and are using some form of coating or lining products to help them gain substantial long term life from their equipment.

Many of our distributors are now offering to internally coat pipes that are suffering from corrosive or erosive attack by using **Thistlebond products**.

A recent successful application as carried out by a European based distributor for Thistlebond products shows exactly what can be achieved.

### PROBLEM

Pipes were carrying water with **SAND** in suspension. The abrasive action of this sand slurry resulted in major holes and damage to the pipes. The worn areas were not just around the pipe elbows but also occurred on the straight lengths of pipes.

The Customer tried **POWDER COATINGS** prior to selecting a Thistlebond product. The abrasive slurry also damaged the powder coating protection.

**NOTE:** Powder Coatings are not a cold application process (they are fusion-bonded at high temperatures) and they require in most cases **SPECIALIST** applicators to carry out the work. They are also **COSTLY** in comparison to cold - cure polymer coatings (like **Thistlebond TR240**).

When this pipe work was leaking, this resulted in the presence of chlorides, which caused a problem by penetrating tubes in filters.

### SOLUTION

The application of **Thistlebond TR240 Heavy Duty Ceramic** on all the internal pipe work. Thistlebond **TR240** is the most acceptable product on the market today for protection against extreme abrasion. It is totally "**user friendly**" and offers ease of application and use.



The pipes are 2 meters in length and have a 200mm internal bore.

All pipe were first "grit blasted" to 75micron surface roughness (sa2-1/2). Pipes were then solvent wiped and the **Thistlebond TR240** was then applied using techniques developed by the distributor.



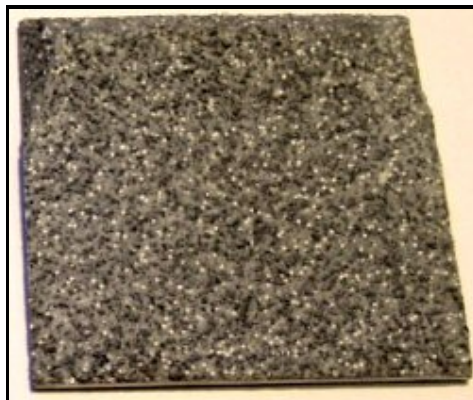
On average the coating was 5mm thick and Fluid Ceramic was then applied to the overall surface finish and onto the pipe joint faces.

### RESULT

A total of 40 X 5 Kilos of TR240 was used on this application and the end user was extremely pleased with the results that will make major financial savings for the company. Further application work is now being negotiated by our distributor



The TR240 is available in sample form in all Thistlebond Sales Cases (see below). TR240 has been used successfully in MANY distributor applications as carried out for their end users.



TR240 is a POLYMER UPGRADE from Bezona 1811 Ceramic Carbide.