

NordCeram, Germany

The project:

Pumping off abrasive ceramic slurry during production.

Executing companies:

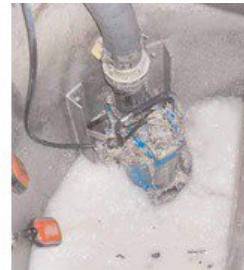
Nord Ceram Fliesenproduktions und Vertriebs GmbH & Co. KG, Bremen

The problem:

Large amounts of water are used to wash adhesive clay residues from the treatment aggregate. The washing water, which carries clay slurry, collects in the ground cavity and has to be pumped back out of the cavity. The problem is that the clay settles, forms sediment and is very difficult to pump. The pumping of abrasive and corrosive fluids subjects the parts to great wear, is prone to failure and is a costly venture. Not all pump technologies are able to handle this.

Our solution:

Use of type KTV2-37 submersible pumps for pumping off abrasive materials. The pump housing is made completely out of nitrile rubber and has no problem resisting ceramic slurries.



Specifications KTV: <https://www.tsurumi.eu/en-LV/ktv>

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. With regards to the above application wear and tear can take place mainly in impeller, agitator, suction plate, shaft sleeve, oil ring, mechanical seal, pump casing, strainer, motor casing and discharge coupling. Depending on the working conditions the lifetime of those parts might vary significantly and can be shorter than the legal warranty period.

In this regard, please pay attention to our [general terms and conditions](#) that we also send to you by mail on request.

