

CERAMIWELD TECHNOLOGIES INTERNATIONAL

Team

Carriere Industrial Supplies

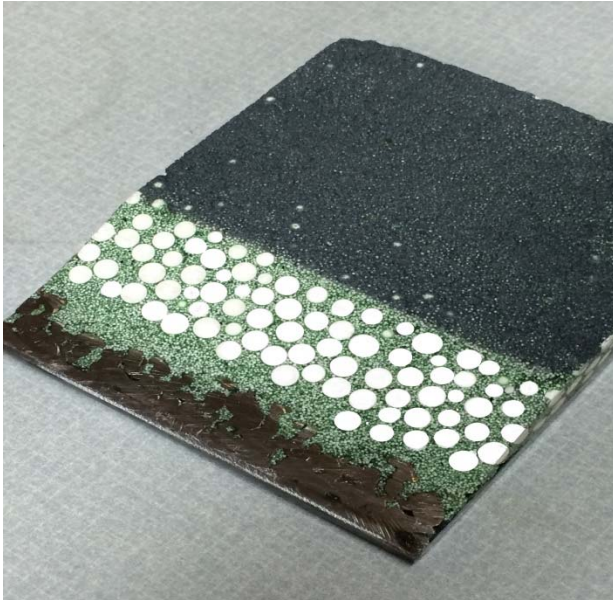
Ceramiweld Technologies Internation

Objective

To provide an economically and environmentally friendly wear and corrosion resistant solution to difficult areas within the mining and processing plants

Technical Details

Our welded bonding system is *Metallurgically* fused to the substrate material which provides the best adhesion possible for the anti-wear coatings. This prevents disbonding and chipping in the most severe cases, CTI's anti-wear coatings are custom formulated for each application to provide the best solution for the customers needs. This durability delivers better return on investments by repairing and recycling discarded componants, increasing profitability and reducing downtime which makes a better environmental product.



Innovativeness and advantages

The CTI proprietary anchoring system provides many advantages over other competitive products. This anchoring system prevents disbonding from substrate corrosion, flexing and severe impact and is superior to other comparable products because it has more than 3.5 times the alumina content compared to off the shelf trowlable products.

Below are pictures of off the shelf trowlable ceramic products illustrating typical failure namingly poor adhesion, chipping and disbonding from substrate corrosion even before installation. Off the shelf trowlables cannot be finished to provide exact profiles leading to disrupted laminar flow and premature failure.



Below are examples of CTI components finished with exacting tollorences providing proper laminar flow and even wear. This product can be easliy reconditioned without having to be removed and without any cold joint separation issues.



Another innovative advantage to this product is it can be used on many already discarded componants with weldable substrates including high chrome white iron castings such as pump shells and impellors.

Current Status of Development

CTI was originally created by George Parker in 1988 which started in the concrete pumping industry with excellent results and proved to be highly successful. This lead to developing new and innovative products taking us into mining, wood processing, food processing, grain handling, coal ports, gravel pits, dredging, chemical processing and pulp mills.

Our home base is in Maple Ridge BC and we currently have licensed applicators in Sudbury, Ontario, Nevada and Arizona and as far as South Africa.

Market Potential and & Competitive Advantage

CTI can provide permanent wear solutions to many difficult wear problems with excellent reliability and performance. We work closely with our customers to produce reliable customized solutions.

Our process provides our customers with assurance of an environmentally and more economical alternative for today's governing standards by reconditioning old and discarded components.