

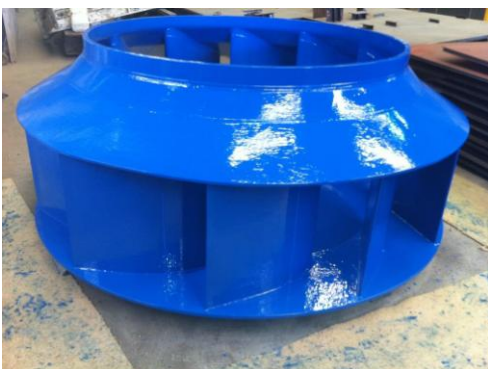
500 Series for Fan Impeller



During Fabrication



Application of primer by hand due to complexity



View of impeller completion

Industry	Mining & Mineral Processing
Date	September 2013
Substrate	2.8m Diameter Fabricated Steel Impeller
Products	Epo-chem™ RS 500P Ceram-chem™ RP 500 designed to improve laminar flow with a low friction finish.
Challenge	Prior to Chemco Australia's involvement, pressure washing was required every 3-6 months to prevent large amounts of build up. This build up would cause balancing issues and unnecessary bearing load. Chemco was engaged to improve the efficiency of the impeller, decrease problems with build up, and reduce maintenance and associated costs.
Chemco's Solution	Chemco Australia recommended an abrasive resistant lining with a low friction finish to reduce the amount of build up, and reduce ongoing maintenance costs.
Scope	Grind welds, sharp edges and remove weld spatter Abrasive blast to class 2.5 Apply primer: Epo-chem™ RS 500P Apply ceramic filled epoxy: Ceram-chem™ RP 500 Balancing on coating completion and touch up.
Results	The impeller was inspected after return to service for 6 and again after 12 months. The inspection found a significant improvement, including reduced build up and a better balance.