

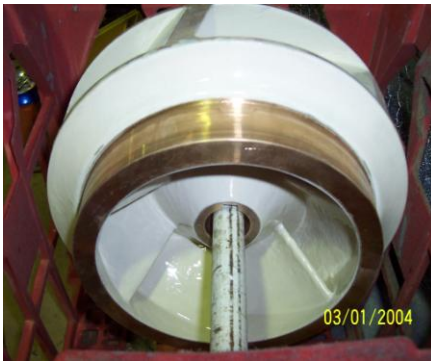
# RB 300 Series to Sea Water Volute



After masking and abrasive blasting



Re-mask and coating application



Eye of the impeller was treated using Kevlar and RB300 & RP500.



After external coating application

<b>Industry</b>	HVAC
<b>Date</b>	March 2006
<b>Substrate</b>	Admiralty bronze 200/200
<b>Products</b>	RB 300 Series RP 500 Series
<b>Environment</b>	Ambient Sea Water
<b>Challenge</b>	Original pumps were suffering severe corrosion and cavitation.
<b>Chemco's Solution</b>	We recommended the use of RB 300 series @ 1200µm nominal thickness and topcoat with 2 coats of RP 500 @ 300µm
<b>Scope</b>	Pre machine critical dimensions Abrasive blast to ISO 8501-1 cleanliness standard with a minimum 75µm profile. Mask and protect all area not to be coated Application of 2 coats of RB 300 series Application of RP 500 in two coats to improve fluid efficiency Post machine to allow re-assembly Balance impeller as required
<b>Results</b>	Some engineering changes were made to the strainer system prior to the installation of these 3 pumps. Coupled with our coating system, long term results have been achieved with minimal maintenance. Tube sheets, pipe-work and many other components have been protected using similar methods both on site and within our fully equipped workshop located in Wollongong.