chemcote
SPECIALTY COATINGS

POWER GENERATION SERVICES

CAPABILITIES & PRODUCTS

POWER GENERATION CAPABILITY LIST

ABOUT CHEMCOTE SPECIALTY COATINGS

We specialise in providing anti corrosion & abrasion solutions for all assets throughout Australia. Our team includes NACE and ACA certified coating inspectors. Customers include Energy Australia and many co-generation plants.

CHEMCOTE PROVIDES THE FOLLOWING SERVICES FOR THE EAST COAST OF AUSTRALIA:

- Abrasive blasting, Glass Bead Blasting & Ultra High-Pressure Water Blasting
- Supply of Long-Term Corrosion Protection through specialist protective coating specifications & systems
- Painting & Coating of all types and sizes of critical
- Inspection of existing or new coating systems
- Fibre glass parts construction & repairs
- Condition reports for corrosion-prone equipment.
- Repairs to existing coating systems and corrosion damaged equipment
- Total coatings replacement using the tough, impermeable Chemcote's range (Chemtect vinyl ester glass flake series) for aggressive, immersed environments.
- Replacement of internal and external coatings using Chemcote's wet, surface and environment tolerant coatings (Epochem series), no abrasive blasting required.
- Lining systems reducing scale build up for tanks and pumping systems, improving fluid flow efficiency.
- Concrete floor coatings and linings
- Fully guaranteed coating solutions where we specify, supply, and apply.
- Critical sealings faces, wear ring lands and dimensional protection a specialty.

INDUSTRIES WE SERVICE:

- Petrochemical, Oil & Gas & Marine
- Chemical Containment and Transportation.
- Mining & Mineral Processing & Steel Manufacturing.
- Power Generation and Transmission.
- Heating Ventilation Air-Conditioning
- Water & Sewerage

OUR RANGE OF EXPERTISE:

- Butterfly Valves
- Concrete Bunds
- CW Systems
- Heat Exchangers
- Hydro Penstocks
- Pipe work – seawater conduit, Intake screens.
- Pumps
- High Voltage transmission towers
- Self-cleaning strainer
- Terminal & Substation structures
- Transformers
- Tanks – water treatment, clarifiers, ferric sulphate
- Concrete, cooling towers
- Vessels – demineralisation, polisher

HEAT EXCHANGER REPAIRS AND COATING USING CHEM-TECT 300 SERIES

Where marine fouling is a concern long life copper flake filled polyester-based resin antifoul is used.
Repaired Water boxes will outlast the original!
Fast Turnaround on site or at our Workshop.

Badly corroded water box > After rebuilding and coating with Chem-tect 300 series

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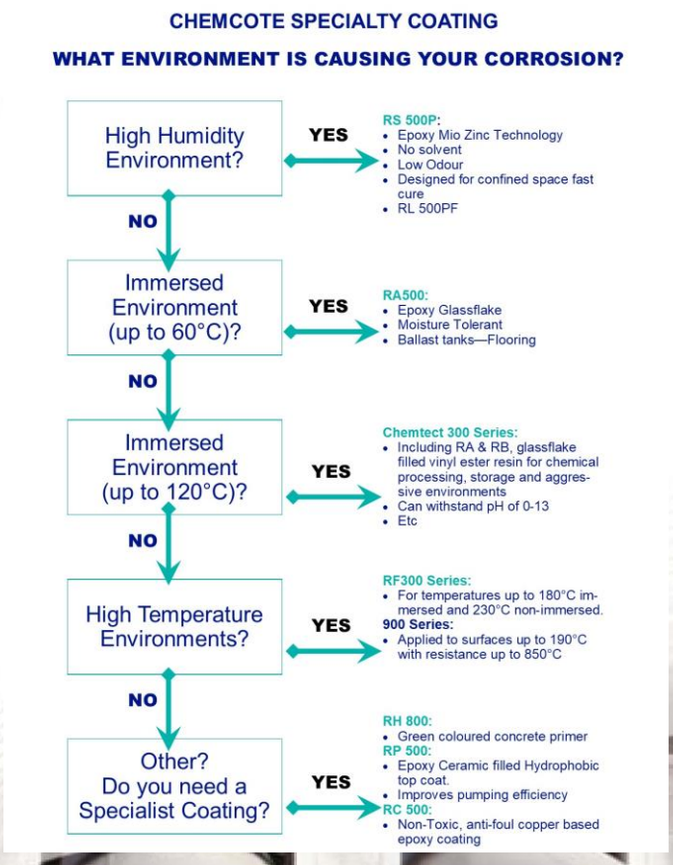
POLISHER VESSELS

Internals of Polisher Vessels, Anion and Cation, Filter and Demin Vessels. Coated either on site or in our workshop will provide proven long-term protection.

Badly Corroded Sea Water Strainer: Fully overhauled, rebuilt and coated with Chem-tect 300 series.

Pump casing before and after coating.

PRODUCT SELECTION GUIDE



CLIENT SUCCESS – Epo-Chem 500 Series for Structural Steel

Industry Power Generation

Date 2015

Substrate Critical Support Structure for overhead 40-year-old pipe services into turbine hall.

Products Epo-Chem RS 500P a wet and surface tolerant Mio epoxy primer and Epo-Chem RA 500 series, a moisture tolerar glass flake filled epoxy topcoat, providing excellent long term corrosion resistance.

Environment 15°C – 60°C sea water

Challenge The original coating specification deemed to be atmospheric, however the area was reclassified due. to regular saltwater leaks from faulty valves and other associated services. Budget restrictions and access difficulties, a close assessment was required. No abrasive blasting as the costs would've been prohibitive with containment and clean up.

Chemcote's Solution Reclassify from atmospheric exposure to immersed due to the regular saltwater leaks. High pressure water blasts up to 20,000 psi using our small footprint machine after mechanical clean. Application of Epo-Chem RS 500P to a nominal thickness of 100µm and topcoat using Epo-Chem RA 500 with a nominal DFT of 350µm.

Results Saved hundreds of thousands of dollars in replacement costs and the asset owner is rest assured that. Chemcote will provide long term corrosive protection, evident through years of application at power station.

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Unit 23-24 / 2 Indigo Loop Yallah NSW 2530

Ph:1300 243 626

www.chemcote.com.au