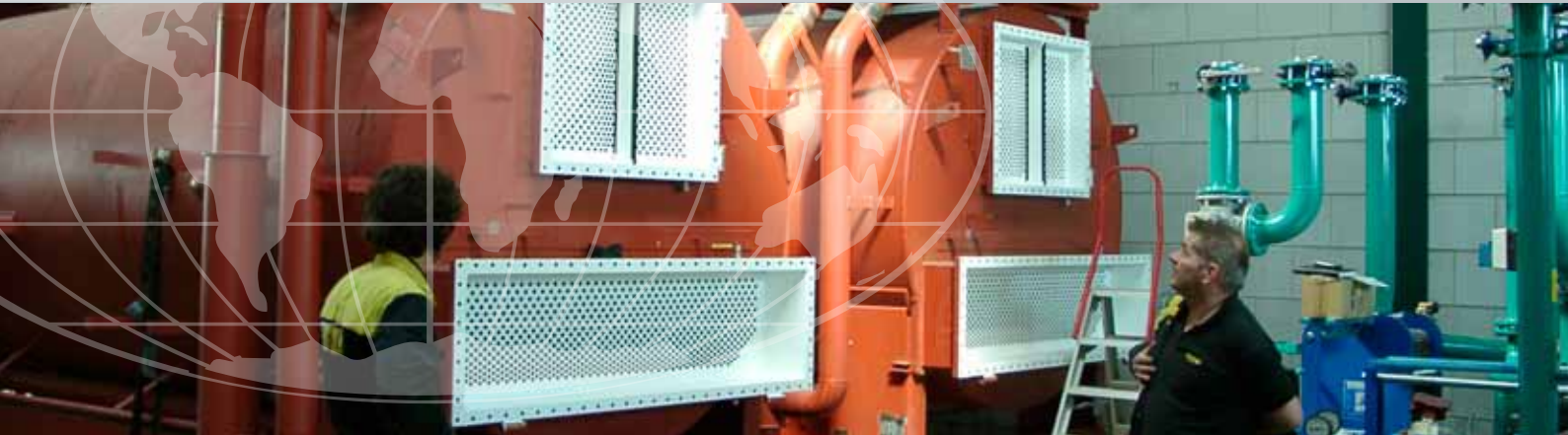


Tube Sheet & Water Box Coating



PROBLEM

Tube sheets and water boxes are subject to severe corrosion due to the construction with dissimilar metals and corrosive water. The pitting corrosion around the tubes will rapidly create leakages while corrosion of baffle plates and water boxes results in early replacements and severe capacity loss.

Simply applying a coating will not prevent this due to the complexity of the construction. A special procedure must be followed to ensure the coating system will protect the valuable equipment for many years.



WHY BLYGOLD TUBE SHEET COATING?

- Corrosion causes leakages and capacity loss
- Corrosion results in early replacement or re-tubing

SOLUTION

Blygold protects tube sheets and water boxes from leakages and prevents early replacements. The dissimilar metals of the tube and sheet are sealed from the corrosive environment by means of a smooth and resistant coating.

The special pretreatment ensures perfect adhesion, smooth surfaces, prevents pressure drop and guarantees an extra protection at critical areas.

The dust free blasting and VOC coating makes the treatment suitable for both factory and site application. Reconstruction of severely corroded baffle plates prevents capacity loss.



APPLICATION INFORMATION

- 1 Draining water, dismantling boxes.
- 2 Tube end facing. Creating smoother transfer from tube to sheet.
- 3 De-burr and round edges. Remove sharp edges and cavities which may initiate coating failure and corrosion.
- 4 Dust free blasting. Create surface roughness for optimal adhesion of protective coating
- 5 Tube cleaning. Mechanical removal of pollution
- 6 Coating application . Modified epoxy coating with aluminum pigmentation for optimal underwater corrosion protection. Applied in 4 layers with different colors to enable visual quality control and layer thickness control.
- 7 Dry layer thickness checks.
- 8 Remounting water boxes. Seal renewal, bold lubrication, controlled bold tightening.
- 9 Insulation replacements

TECHNICAL INFORMATION

Treatment:	Blygold Tube Sheet Coating
Coating type:	Two-pack, surface tolerant, high solid epoxy mastic coating
Color:	Grey
Pretreatment:	Tube end facing Sand blasting
Layer Thickness:	4 x 150 µm
Water Resistance	Excellent
Abrasion Resistance	Excellent
Solvent Resistance	Good
Chemical Resistance:	Good
Flexibility:	Good

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