



CUI LEI

Coating Consultant

Location Shanghai, China
Office +86 21 5860 2868
E-mail cui.lei@brookesbell.com

Nationality Chinese
Mobile +86 182 5283 5454

Cui Lei is a qualified coating inspector/consultant with over 13 years of experience with marine and protective coating systems. Cui joined Brookes Bell in December 2020, having previously worked as a coating superintendent for the Safinah Group.

Before working as a coating consultant, Cui spent several years working on new-build and ship repair projects. He is Familiar with surface preparation and relevant paint standards such as ISO, SSPC/NACE, ASTM, amongst others. While working as a coating superintendent, Cui has inspected and reported on a wide range of issues relating to coating system failures and loss of performance issues, such as:

- Liaising with ship owners, paint suppliers and yards regarding repairs and coating failures.
- Inspection of fouling and hull damage at yards during repairs or vessel service.
- Visual deterioration of cosmetic finishes due to staining, UV and discoloration.
- Assessment of coating damage due to improper application, improper surface preparation, unsuitable application climate and formulation issues.
- Collection of appropriate forensic evidence, e.g. photographs, paint flake samples, on-site measurements, blister fluid, and amine bloom samples.
- Analysis of complex analytical test reports.
- Familiar with the application and quality control aspects of various coating suppliers.
- Training and Familiarization of shipyard staff for coating preparation and application work.

Cui Lei has extensive experience with on-site coating inspection, process control, surface preparation and paint application processes.

Academic Qualifications

Organic Chemistry – Bachelor's Degree from Nanjing University of Technology

NACE CIP Level II

IMO PSPC Inspector

Professional Memberships

Member of the NACE CIP

Previous Employment History

Coating Superintendent, Safinah Group

Project site-manager, Yangtian Shipping Engineering (Coating application)

Coating Supervisor/Site Team Leader, WestEast Marine consulting.

Paint QC, Hantong heavy industry

Survey and Consultancy Experience

- Coating Damage Surveys – all types of vessels, including product and chemical tankers.
- Coating supervision and procedural compliance inspections.
- Hull fouling issues.
- Cargo tank inspections.
- Cargo hold inspection.
- Analysis and review of coating system failures.

Courses/Conferences Attended

- Coating inspector program (Level I & II).
- IMO PSPC inspector training.
- Advances in Antifouling Coatings Technology online.
- Corrosion types of ships in seawater after coating.
- ICCP basic course.
- Coating Failures Analysis and Handling.
- International colour code – PANTONE & RAL.
- Coating design for ships.
- International standard for anti-corrosion.
- Performance solution for the corrosive scrubber environment.
- Determination of the compatibility between coating layers.
- Surface preparation by using hydro-jetting
- How to use SSPC standards and guides.
- Offshore Wind Market Development and Coating Requirement.
- Transportation of Liquid Gas by sea.
- Smart/Self-healing Coatings and Water-borne Inorganic Zinc Silicate Coatings.
- Blister formation and stress development in paint films.
- Passive Fire Protection.
- Painting ships in the future – Preparing for Disruption.
- Spray Gun Technology.
- Technical Report Writing Skills.