

COURSE: NR34 – PAINTING SAFETY AWARENESS

SCOPE AND APPLICABILITY:

Enable those involved to meet the requirements determined by NR34 and related NBRs, focusing on the identification of risks and the control measures that must be adopted in the painting activities carried out on board.

REGULATIONS & STANDARDS

- NR-34;
- NR-10;
- NR-24;
- NBR 12235;
- NBR 5419;
- NBR 12311;
- NRB 10004;
- NRB 5410;
- NBR 16577.

COURSE CONTENT:

- Responsibilities of The Employer and Employee;
- Corrosion, Surface Preparation and Paint Application;
- Anticorrosive protection by coating;
- Paint technology: resin, pigments, extenders, thinners, solvents and additives;
- Drying/curing mechanisms;
- Calcination;
- Dilution;
- Flash Rust;
- Steel Preparation: grinding, welding, undercut;
- Potential contamination risks in surface preparation;
- Methods and equipment for treatment and cleaning;
- Abrasive Blasting;
- Wet Abrasive Blasting;
- Hydroblasting;
- The Dangers of Painting Activities and How to Identify Them;
- Material Safety Data Sheet (MSDS);
- Task Planning and Risk Assessment;
- Painting application: airless, roll and brush tool;
- Protection and Inspection of Surround Areas Prior to Start The Job;
- Adequate Ventilation;
- Constant Atmosphere Monitoring;
- Respiratory Protection According to The Risk Analysis;
- Explosion-Proof Equipment;
- Detection of Voltage and Grounding of Electrical Equipment;
- Issuance of Work Permit, and Hot Work Permit, If Necessary;
- Worker Hygiene, Protection and Preventive Measures to Avoid Accidents;
- Evacuation, Isolation and Signaling of The Risk Area Defined in The Procedure;
- Handling and Safe Disposal of Paints and Solvents;
- Additional risks.

COURSE DESIGN:

TOTAL: 04 hours

PREREQUISITES:

None

MINIMUM/ MAXIMUM NUMBER OF ATTENDEES

This course requires a minimum of 1, and a maximum of 12 participants.
To offshore trainings, the course number of attendees will comply with the vessels/rig necessity.

MAIN SAFETY ISSUES:

- Correct use of MSDS;
- Use of Breathing Apparatus;
- Atmosphere monitoring.

CERTIFICATION:

Certificate of Training provided by safety professional legally authorized.

CERTIFICATION VALIDITY PERIOD:

Recommended: 2 years.