

TSA & TSZ Services

Thermal Sprayed Aluminium/Zinc



TSA on a process vessel



TSA pre-application test panel

Service Overview

Wasco Lindung offers both Thermal Sprayed Aluminium (TSA) and Thermal Sprayed Zinc (TSZ). MPE's TSA corrosion protection system is an extremely durable system, providing significant corrosion protection improvements over conventional coatings systems. It is well suited for a variety of demanding marine, subsea, atmospheric and high temperature applications.

Wasco's application process uses electric arc spraying, whereby two electrically conducting aluminium wires are fed towards each other, producing an electric arc at the point just before the two wires meet. As the arc melts the metal wires, high pressure air sprays fine droplets of molten aluminium on the prepared steel surface.

TSA coatings can be applied either manually, or by an automated process in our TSA Plant in Kuantan, Malaysia, which is designed for pipe sizes from 4" through 48" in diameter and up to 18 meters in length. By automating the TSA process, not only is production capacity increased, but an even coating film is guaranteed, with materials savings of as much as 20%.

Main Benefits

- Limited maintenance
- Low service life cost
- Superior adhesion
- Resistant to mechanical damage
- Self-healing
- No drying or curing time
- Wide range of operating temperatures: -45°C to 538°C

Applications

- Risers
- Subsea Pipelines
- Offshore Platforms – Splash Zone
- Marine Piling
- Flare Booms
- Buoyancy Cans
- Vessels
- Rotation Equipment

Contact Details

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