

# SprayClad®

For Welding Professionals



## SprayClad® – the best in class for boiler protection.

SprayClad® is an engineered arc spray solution developed to prevent erosion, abrasion and corrosion on boiler panels, vessels, nozzles, burner's and other components that suffer from wear. This solution extends the life of critical components, effectively reduces slagging which minimises the need for surface cleaning and can be applied to complex shapes in a small amount of time.

SprayClad® can withstand prolonged exposure to corrosive gas, salts and high temperatures found within Waste-to-Energy, Biomass and Coal fired boilers. The solution can be applied to a range of other applications including bearing journals, bagging components and printing rolls suffering from wear due to elevated temperature, corrosion, erosion and other wear phenomena in hardfacing technology.



## Features

- A tailored solution to fit customer needs
- Layered cladding that can combine corrosion and erosion resistance
- Rapid deposition rates up to 1m<sup>2</sup> per hour per machine
- A cold process, no heat affected zone
- A thin, lightweight coating of between 500- 800-micron in total thickness
- Smooth anti-stick finish
- No influence from base material dilution

## Benefits

- Adaptability of the coatings tailored to your needs
- Improved corrosion and/or erosion resistance
- Up to 75% faster than traditional cladding techniques
- Cold process, no water needed in heat exchanger tubes
- Reduced fouling and cleaning
- Reduced total cost of ownership (TCO)
- Increase component lifetime

## Why choose Welding Alloys?

- Free no obligation wear audit
- Integra™ service centers located globally
- Continuous solution development
- Tailored solutions to your specific needs
- Over 50 years of experience



## Improved Performance

SprayClad® is easier, quicker and more durable than typical cladding solutions used for in-situ repairs. The 3-layer resistant barrier SprayClad® provides increased service life and reduces maintenance costs.

SprayClad® has been shown to increase wear resistance to corrosion which causes material loss. Significantly, reducing the likelihood of unplanned shutdowns and plant downtime.



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