

# Technical System Information Sheet

LoCem® sprayed concrete and sprayed ICCP anode concrete system

+shot® and LoCem® shot



## Providing Sustainable Life to Your Structure

### What is +shot®?

Our +shot® anode operates as an impressed current cathodic protection (ICCP) anode. It is installed using a conventional dry and wet spray concrete equipment and finishing tools. It operates as a bonded cover to concrete substrates that have been surface prepared by grit-blasting.



### Compliance

This anode is manufactured by C-Probe and compliance tested to meet: ISO 12696:2016 (ICCP), PAS8820:2016 (AACM), EN1504-9 (Repair/ ICCP); BS EN 1363-1 (Fire resistance).



+shot® is a sustainable sprayed concrete solution for all types of reinforced concrete structures. The installed system provides in-depth corrosion rate monitoring to allow the service life tracking of performance over the whole life of the structure. The system is accessed and controlled remotely with our open network system AiMS, and allows the owner to receive and update of performance online, helping to cut maintenance expenditure and avoid social disruption.

+shot® can be used for:



Bridges



Marine Structures



Tunnels



Flood Defences

### Elements of the installed system:

- +shot® sprayed concrete anode mortar
- CP200 corrosion rate probes (4 per zone)
- Achilles ICP power, control and monitoring network
- Electrical connectivity, wiring and environmentally protected enclosure
- AC and broadband connectors at the NAU
- AiMS facility for ongoing performance management and reporting.



Fire resistant to at least 1200C for over 5 hours



Provides greater flexibility with the design parameters that influence service life



Impressed current cathodic protection for permanent or continuous operation



Single life time application



Low carbon emission low energy manufacturing process and ESG compliant



To be installed with AchillesICP digital management system for remote operation and control

