

RAIL

Advanced Railway Friction Management Solutions
Innovating for tomorrow



TECHNICAL DATA SHEET

Quality Standards:
ISO 9001:2015
ISO 14001: 2015
Issue Date—Feb 2024
Revision—02

ClareShield TrainSys - AL Train borne wheel flange/tread friction management system

Applications

ClareShield TrainSys – AL provides a precise amount of lubricant or friction control material to the wheel flange or tread via a spray nozzle to manage the CoF and protect the wheels from wear, damage and reduce WRI noise. Eliminating the need for any compressed air supply, this configuration offers a simple, compact and reliable system that is easy and cost effective to maintain. Each system can be custom designed to suit space constraints and is thus suitable for any type of rolling stock. Its control system allows for intelligent application to apply product only when and where needed.



Specification (standard system)

Applications	Spray for wheel flange or wheel tread
Suitable products	Wheel flange lubricant or Top of Rail friction control materials
Tank volume	Customised for each system
System weight	For a 10kg tank size, total system weight is approx 42kg
Power supply	Airless, 240V (AC) pumps, 24V (DC) for control system
Temperature range	-20C to +40C
Application rate	Up to 1 pulse every 2 seconds, each pulse 0.2cm (cubed)

* Note: Represent specification of a standard system. Bespoke system specifications may vary.



The information contained herein may change. Whilst every care is taken to ensure the accuracy of the material contained in this bulletin, no liability can be assumed for the information given. For specific, current information please contact Clare field sales staff.

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Certifications/ standards

EN 45545	Fire protection on railway vehicles
EN 50155	Electronic equipment used on rolling stock
EN 61373	Rolling stock equipment: shock and vibration testing
EN 50121	Electromagnetic compatibility



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