



Certificate of Type Approval for a product or system

Discipline	Track Engineering
Reference	TR15/4001
Manufacturer	Hardface Technologys, 6/28 Coombes Drive, Penrith, NSW, 2750
Supplier	Hardface Technologys
Place of Manufacture	Penrith Workshop and On-Site Applications
Product/System description	Hardface Technologys "Hedkote" Wire Feed Weld Repair Application for i) Standard Carbon Plain Rails, Common Crossings and Wing Rails for 53 kg and 60 kg Rail Sections as a Workshop application. ii) Standard Carbon Plain Rails, Common Crossings and Wing Rails for 53 kg and 60 kg Rail Sections as an On-Site application. iii) Manganese Common Crossings and Wing Rails for 53 kg and 60 kg Rail Sections as a Workshop application. iv) Manganese Common Crossings and Wing Rails for 53 kg and 60 kg Rail Sections as an On-Site application. v) Rail head repair to standard carbon 53 kg and 60 kg plain rail sections as a workshop application. vi) Rail head repair to standard carbon 53 kg and 60 kg plain rail sections as an on-site application.
Use approved for	The application of "Hedkote" Wire Feed Weld repair techniques as described above, undertaken by competent technicians having undergone training and competence certification administered by Hardface Technologys. Applicable to use on all TfNSW rail assets.

Conditions

1. This Type Approval Certification will be subject to review within a period not exceeding 5 years.
2. All procured materials shall be provided by a Place of Manufacture holding approved Quality System Certification.
3. Should the presence of any previously unidentified defect or condition in service arise, further collaborative investigation shall be undertaken to establish appropriate remedial measures, not limited by any product warranties issued.
4. Until further notice a register shall be maintained of all locations where Hedkote Weld repairs have been installed.
5. Hardface Technologys must advise TfNSW ASA of any changes made to the product or system that may alter its identification, performance characteristics, form, fit, function, processes required for correct usage or place of manufacture to enable review and revision of this approval.

Approval

Signature	
Name	David Cooper
Title	A/Lead Engineer – Track Engineering
Date	27 th August 2015



Schedule of Certifications

Title	Registration Number	Valid till	Issuing Authority	Status
Hardface Technologys Quality System Manual	N/A	Ongoing	Hardface Technologys	Current

Supporting Documentation

Title	Issuing Authority	Author	Report Number	Status
Hardface Technologys Hedkote Welding Manual	Hardface Technologys	None Stated	Issue 4A (1)	Issued July 2012
Bureau Veritas 53kg Carbon Rail Head Repair, Weld Procedure Examination	Bureau Veritas	John McAlpin	10-1500969-1	4 February 2010