

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NES-A-T124 **Version No.** 1.0

Approval date 01/04/2019

Approved by Review Panel

Report no. 16/36471

This certificate is issued to

Supplier Solid Technologies Pty Ltd
PO Box 426 Maroubra,
NSW 2035

In respect of

Manufacturer Solid Technologies Pty Ltd

Product description Solid Technologies Total Rail Repair Solutions
For the repair and maintenance of rail surface defects using wire feed welding processes to:

- Build-up fabricated and welded crossings manufactured from head hardened rail.
- Repair wheel burns, squats, dips/ surface damage in head hardened rail.

Item identification

Procedure	Consumables	Application
WPS R3016L2R40016L1	<ul style="list-style-type: none"> • Solid R30, 1.6 mm: P/N:1430B7D1615; • Solid R400, 1.6 mm: P/N:1440B7D1615; 	AS 60kg/m and UIC 60kg/m Head Hardened Rail only

Machines:

- Vantage 580 engine drive, P/N: K2963-1
- Ranger 305 D engine drive, P/N: K2922-1
- LN 25 PRO wire feeder, P/N: KA2613-5A

Application Network Wide

Relevant Standards AS 1085.1, AS1085.20, ETM-01-01, ETM-01-04 and ETE-01-03

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Conditions of Approval

General:

1. Applicable to rail surface head build up and repairs. (NOT to be used for joining of the rails).
2. Only to be applied by operators trained, experienced and qualified to AS1085.20 and Solid Technologies TRRS and certified to the requirements listed in ST document: 2a Solid Technologies Document List ST-DL-1603 Rev 1: Solid technologies operators certification/training satisfying ST 41 ST-TP-1407.
3. All relevant Rail Safety and WHS requirements must be complied with.

Supplier: (Solid Technologies)

4. **Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer (Solid Technologies) should notify ARTC of any modification or changes in order to obtain a valid certificate.**
5. The welds are also to comply with the requirements as set out in ARTC standards ETM-01-01, ETM-01-04 and ETE-01-03
6. A wire feed welding return form shall be completed for every weld with the record handed to ARTC representative for acceptance.
7. Supply a welding manual including safe work method and quality control procedures.

ARTC:

8. Not to be used for Aluminothermic weld repair.

Note/Comments

Issue date

Expiry date NA.

Issued by


Nick Petticrew 1/4/19
Acting ARTC Manager Standards