



Certificate of Acceptance

Certificate No: PA05/05217

Issue: 1

Valid from: 25/04/2012

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Product	DTS (Heatpoint) Points Heating Insulation Kit
Manufacturer	Direct Track Solutions (Heatpoint) Unit 1C, Midland Place Midland Way Barlborough Links Chesterfield S43 4FR

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use on railway Infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.

This certificate can only be amended by Network Rail Engineering directorate. Any alterations made by a different person will invalidate the entire certificate.

Scope of Acceptance

A pre - formed heat retainer lined with Silica gel, trimethylsilylated; silica aerogel insert which is used to cover the point heater strip on stock rails.

Specific conditions

Manufacturer Conditions

To supply web retainers conforming to the maximum profiles shown in the relevant Network Rail drawing which will be specified from the list below:-

Drawing number	Title
NR-EP-SD-450	S & C Heat Retainers for CEN 56/54 Shallow Depth Switch
NR-EP-SD-451	S & C Heat Retainers for CEN 56/56 Full Depth Switch
NR-EP-SD-452	S & C Heat Retainers for CEN 60 Inclined Switch

To supply fixings to secure the retainer in position

User Conditions


To install the retainers complying with safety data sheet attached and manufacturers installation instructions.

Attention is drawn to the heat insert handling precautions below:

Bluedec XT can be cut using conventional cutting tools including scissors, tin snips, and razor knives. The material can be dusty, and it is recommended gloves, safety glasses, and dust mask be worn when handling material. See MSDS for complete health and safety information

Refer to the pages which follow for the product configuration and detailed conditions of use.

Authorised by

 N. D. SNELL

Richard Stainton
 Professional Head, Electrical Power

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SPECIFIC CONDITIONS

1) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied under this certificate comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for this certificate number.
- 2) Notify Network Rail Technology Introduction Group:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Technology Introduction Group at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to the Network Rail Technology Introduction Group.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.

2) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Technology Introduction Group.
- 2) Check that the application of use complies with the scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Technology Introduction Group.
- 4) Inform Network Rail Technology Introduction Group in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.



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3) Compliance

Railways and Other Guided Systems (ROGS) Regulations

- 1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
- 2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:
 - a. All rail vehicle types that have access rights over the area affected by the change
 - b. Infrastructure managed by others
 - c. Neighbours.

Railway Interoperability Regulations

- 3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.
- 4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

4) Supply Chain Arrangements

- 1) This certificate of acceptance does not imply any particular quantity of supply nor any exclusivity of supply.
- 2) The product may be purchased by Network Rail or its agents, suppliers or contractors.
- 3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.

5) Product Configuration

System or Complete Assembly

Part No.s for CEN 56e1 Shallow/full depth and CEN 60 Profile		
Part No.	Description	PADS No.
DTS - HS - 011 - UNIV	Heatshield web heat retainer for points heating - stock rails	055/162029
DTS - HS - 012 - UNIV	Spring steel retaining clip	055/162030
DTS - HS - 004	Heat retaining fabric strip - recommended per 1.3m length	055/162028

Note: For complex products and systems, sponsors and manufacturers may be requested to submit a more detailed configuration report to be appended to this certificate.

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6) Assessed Documentation

Reference	Title	Date and Applies to Cert. issue No.	
---	Product sample provided	Undated	1
A4T1117-EN	CEN60 Rail with Isoblock for point heating drawing	23/05/2011	1
1030953-01	MIRA Environmental chamber test report	Undated	1
---	EPP chemicals data sheet	11/2008	1
---	Bluedec Silica gel, trimethylsilylated; silica aerogel safety data sheet	03/04/2009	1
---	Bluedec XT technical data sheet rev 6	Undated	1
---	EPP Thermal properties data sheet	Undated	1
---	EPP Electrical properties data sheet	Undated	1
---	EPP Environmental resistance properties data sheet	Undated	1
---	EPP technical data sheet	Undated	1
TISTAN02	EPP technical data sheet – English version	23/09/2002	1
---	Rubcoat GP /VP/VPX Safety data sheet	12/06/2002	1
---	Rubcoat VPX technical data sheet	03/2010	1
---	Report from Sponsor confirming successful trial	13/04/2012	1
---	Report on Derby Trial by Martin Cooper	26/03/2012	1
---	Business Case for Heat retainers by David Fairnington	06/06/2011	1
---	Outline Specification for Heat Retainers	20/03/2012	1

7) Certificate History

Issue Number	Date	Issue History
1	25/04/2012	First accepted for full use.

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8) DISTRIBUTION

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