

Certificate

Certification number SP TH 014

This is to certify that the aluminothermic welds

- Filler mould: UIC60 SoW-5 / UIC54 SoW-5
- Filler metal: 60 / Z90 SoW-5(-E)

produced by:

Elektro-Thermit GmbH & Co. KG
Halle (Saale), Germany

has been approved for normal gap butt joints in:

54E1 R260Mn to 60E1 R260Mn

in accordance with the specification:

RLN00451-2, d.d. 01 Oct 2021.

Details are mentioned in annex 1 and 2.


Original Approval : December 2004

Current Certificate : June 2023

Certificate Expiry : June 2026

On behalf of DEKRA Rail


ir. A.J.P. Verweij
Manager Certification


E. Groen
IWT nr.: 1479



Welding Qualification Approval Record – Certificate

Nummer: SP TH 014
Number: Annex 1

Kenmerk:
Designation: See AEAT/04/4600155/002

Keuringsinstantie:
Test body: DEKRA Rail B.V.

Opdrachtgever:
Employer: Elektro-Thermit GmbH & Co. KG

Datum van uitgifte:
Date of issue: June 2023

Adres:
Address: Chemiestraße 24
D-06132 Halle (Saale), Germany

	Details van de proeflas Weld test details	Geldigheidsgebied Range of approval	
Lasproces Welding process		Thermietlassen (71) Alumino-thermic (71)	
Spoorstaaf type Rail type	54E1 to 60E1	54E1 to 60E1	
Soort verbinding Joint type		Stomplas Butt weld normal gap	
Basismateriaal groep(en) Parent metal group(s)	R260Mn to R260Mn	R260Mn to R260Mn	
Lasmal type Filler mould type	UIC60 SoW-5 / UIC54 SoW-5	UIC60 SoW-5 / UIC54 SoW-5	
Lastoevoegmateriaal Filler metal designation	60 / Z90 SoW-5(-E)	60 / Z90 SoW-5(-E)	
Type beschermgas / poeder Shielding gas / flux	n.v.t. n/a	n.v.t. n/a	
Overige middelen Auxiliaries	Zie rapport: See report	AEAT/04/4600155/002	
Lasmachine/Bedieners identificatie Welding machine/Operators identification	n.v.t. n/a	n.v.t. n/a	
Laspositie Welding position	n.v.t. n/a	n.v.t. n/a	
Voorbehandeling Gouging / backing	n.v.t. n/a	n.v.t. n/a	
Aard van de beproeving Type of testing	Acceptatie criteria Acceptation criteria	Acceptabel / Niet vereist Acceptable / Not required	Opmerkingen Remarks
Visueel Visual		Acceptable	Handleiding voor het Thermiet snellasplassen SoW-5, rev. 01 (22 mei 2023)
Geometrie Geometrically		Acceptable	
Ultrasoon onderzoek Ultrasonic testing		Acceptable	
Magnetisch onderzoek Magnetic particle inspection		Not required	
Buig/breektest Bend/Break test	Zie rapport: AEAT/04/4600155/002	Acceptable	
Vermoeingsproef Fatigue test		Acceptable	
Hardheidsmetingen Hardness measurements		Acceptable	
Macro-onderzoek Macro-examination		Acceptable	
Mirco-onderzoek Micro-examination		Acceptable	
Chemische analyse Chemical analysis		Not required	

Vakkennis = Acceptabel Acceptable ■ Niet beoordeeld Not tested
 Job knowledge = Acceptable
 Aparte bladen toegevoegd indien vereist ■ JA / Yes
 Append separate sheet(s) if required = NEE / No

Aanvullende informatie beschikbaar op: Zie rapport:
Additional information is available on: See report

Kwalificatie geldig tot: June 2026
Validity of approval until:

AEAT/04/4600155/002 d.d. 38322
DR/19/170307/008 (Smart Weld Jet) d.d. 03 April 2019

Datum:
Date:
06-06-2023

Handtekening:
Signature:



 E. Groen IWT nr.: 1479

Verlenging
Prolongation

Nummer:
Number: SP TH 014 annex 2

Verlenging door beoordelaar met 3 jaar
Authorized prolongation for the following 3 years

Herkwalificatie
rapportnummer:
Re-qualification
report number:

Datum:
Date:

Handtekening:
Signature:

Functie of titel:
Position or title:

Herkwalificatie
rapportnummer:
Re-qualification
report number:

Datum:
Date:

Handtekening:
Signature:

Functie of titel:
Position or title:

DeltaRail/06/60028/075 DeltaRail/07/60028/083	12 December 2006 26 January 2007		DR/20/190224/007 DR/20/190224/011	14 April 2020 15 May 2020	
DeltaRail/10/10234.014/003 DeltaRail/10/10234.014/005	3 November 2010 8 December 2010		DR/23/230142.142 DR/23/230142.143	02-06-2023 06-06-2023	
DeltaRail/12/110165.032/003 DeltaRail/12/110165.032/006	18 Oktober 2012 21 November 2012				
Plurel/14/130497.003/009 Plurel/14/130497.003/012	08 April 2014 02 June 2014				
DR/16/150541.003/007 DR/16/150541.003/011	29 March 2016 31 May 2016				
DR/18/180004.003/006 DR/18/180004.003/011	23 February 2018 29 March 2018				