

# Certificaat

Document nr.: 240020.150102.90

## SP TH 025

This is to certify that the aluminothermic welds

- Filler mould: 60E1 E1/E2 LP.2S (SmF-P / SoWoS-P)
- Filler metal: 60L R260

manufactured by:

**Pandrol GmbH**  
**Raimes, France**

applicant:

**Alom B.V.**  
**Arkel, The Netherlands**

has been approved for normal gap butt joints in:

### **60E1 R260 to 60E1 R260**

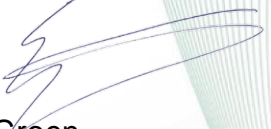
in accordance with the specification:

EN 14730-1, d.d. March 2017.

Details are mentioned in annex 1 and 2.

Original Approval : november 2006  
Current Certificate : december 2024  
Certificate Expiry : december 2027

On behalf of DEKRA Rail

  
E. Groen  
IWT nr.: 1479

# Welding Qualification Approval Record

Document Nr.: 240020.150102.90  
Number:

**Kenmerk:** See RIO-Prüfbericht: 05 03 174-9-2  
Designation:

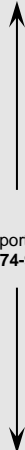
**Certificaat:** SP TH 025  
Certificate:

**Oprichtgever:** Pandrol GmbH  
Client:: applicant:

**Keuringsinstantie:** DEKRA Rail B.V.  
Test body:

**Adres:** ZI du Bas Pré – BP 9 59590 Raimés, France  
Address:

**Kwalificatie geldig tot:** december 2027  
Validity until:

	Details van de proeflas Weld test details	Geldigheidsgebied Range of approval	
<b>Lasproces</b> Welding process	<b>Thermietlassen (71)</b> Alumino-thermic (71)		
<b>Spoorstaaf type</b> Rail type	60E1 to 60E1	60E1 to 60E1	
<b>Soort verbinding</b> Joint type	<b>Stomplas</b> Butt weld normal gap		
<b>Basismateriaal groep(en)</b> Parent metal group(s)	R260 to R260	R260 to R260	
<b>Lasmal type</b> Filler mould type	60E1 E1/E2 LP.2S (SmF-P / SoWoS-P)	60E1 E1/E2 LP.2S (SmF-P / SoWoS-P)	
<b>Lastoevoegmateriaal</b> Filler metal designation	60L R260	60L R260	
<b>Type beschermgas / poeder</b> Shielding gas / flux	n.v.t. n.a	n.v.t. n.a	
<b>Overige middelen</b> Auxiliaries	<b>Zie rapport:</b> See report:		
<b>Bedieners identificatie</b> Welding Operators identification	<b>RIO-Prüfbericht: 05 03 174-9-2</b>		
<b>Laspositie</b> Welding position	n.v.t. n.a	n.v.t. n.a	
<b>Voorbehandeling</b> Gouging / backing	n.v.t. n.a	n.v.t. n.a	
<b>Aard van de beproeving</b> Type of testing	<b>Acceptatie criteria</b> Acceptation criteria	<b>Acceptabel / Niet vereist</b> Acceptable / Not required	<b>Opmerkingen</b> Remarks
<b>Visueel</b> Visual		Acceptable	<p>This certificate is only valid in combination with the certification E4E4 to E4E1 Werkinstructie: SkV / SP / LP voor vignole- en groefrail, voorbereid 25/10/17, stand...</p>
<b>Geometrie</b> Geometrically		Not required	
<b>Ultrasoon onderzoek</b> Ultrasonic testing		Acceptable	
<b>Magnetisch onderzoek</b> Magnetic particle inspection		Not required	
<b>Buig/breektest</b> Bend/Break test		Acceptable	
<b>Vermoeingsproef</b> Fatigue test		Acceptable	
<b>Hardheidsmetingen</b> Hardness measurements		Acceptable	
<b>Macro-onderzoek</b> Macro- examination		Acceptable	
<b>Mirco-onderzoek</b> Micro-examination		Acceptable	
<b>Chemische analyse</b> Chemical analysis		Not required	

**Vakkennis**  Acceptabel  Niet beoordeeld  
Job knowledge Acceptable Not tested

**Aparte bladen toegevoegd indien vereist**  JA  NEE  
Append separate sheet(s) if required Yes No

**Aanvullende informatie beschikbaar op:** Zie rapport: RIO-Prüfbericht: 05 03 174-9-2 d.d. november 2006  
Additional information is available on: See report

**Datum:** 24-01-2025  
Date:

**Handtekening:**  
Signature:

E. Groen IWT nr.: 1479

# Welding Qualification Approval Record

Document Nr.: 240020.150102.90  
Number:

**Kenmerk:** See RIO-Prüfbericht: 05 03 174-9-2  
Designation:

**Certificaat:** SP TH 025  
Certificate:

**Opdrachtgever:** Pandrol GmbH  
Client:: applicant:

**Keuringsinstantie:** DEKRA Rail B.V.  
Test body:

**Adres:** ZI du Bas Pré – BP 9 59590 Raimés, France  
Address:

**Kwalificatie geldig tot:**  
Valid until: december 2027

## 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/08/80370.010/001 DeltaRail/08/90370.010/002	18 November 2008 16 March 2009		240020.150102.25 240020.150102.27	december 2024	
DeltaRail/10/10234.015/001 DeltaRail/10/10234.015/002	17 November 2010 24 December 2010				
DeltaRail/12/110165.033/001 DeltaRail/12/110165.033/003	16 Oktober 2012 19 November 2012				
Plurel/14/130497.004/013 Plurel/14/130497.004/015	25 September 2014 03 November 2014				
DR/16/150541.004/009 DR/16/150541.004/011	30 August 2016 28 November 2016				
DR/21/210089/00x	30-7-2021				