

CERTIFICATE

Welding of railway vehicles and components according to
EN 15085-2:2020+A1:2023

CWRVC/029/GB

TWI Certification Ltd hereby certifies that the welding company

**Hydrum Engineering Ltd.
Avenue 1, Chilton Industrial Estate
DL 17 0SG Chilton, County Durham
United Kingdom**

fulfills the requirements
for the scope according to

**EN 15085-2 classification level CL1
in the type of activity P**

in the range indicated in the annex.

validity: 2024-07-26 until 2026-09-14

Cambridge, 2024-07-26
Place and date of issue

Lead auditor: Engineer FYFE

signed on original

FRECKINGHAM

Head of certification body

Scope of the certificate

CWRVC/029/GB

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
135	1.1 1.2 1.4 1.4	t = 1.4 - 6 mm t = 3 - 40 mm t = 1 - 3 mm t = 1 - 4 mm	- - FW BW
141	1.2 22.1 22.2 22.3 22.4 23.1 23.1/22 7.1 7.1 8.1 8.1	t = 1.4 - 9.6 mm t = 1.5 - 6 mm t = 1.5 - 6 mm t = 1.5 - 6 mm t = 1.5 - 6 mm t = 1.5 - 6 mm t = 1.5 - 6 mm t = 0.75 - 3 mm t = 1.05 - 3 mm t = 1.4 - 4 mm t = 1.75 - 3 mm	- 22.1 to 22.1 22.2 to 22.2 (Provided Al-Mg filler material used) 22.3 to 22.3 (Provided Al-Mg filler material used) 22.4 to 22.4 (Provided Al-Mg filler material used) - 23.1 Heat treatable alloys: Al-Mg-Si alloys welded to Non heat treatable alloys combinations of 22.1, 22.2, 22.3, 22.4 (Provided Al-Mg filler material used) BW FW - FW

Area of Application:

none

Responsible welding coordinator(s):

M.Sc. Jeff Garner, Level A (EWE)

born: 1959

1st deputy(ies) of the responsible welding coordinator(s):

Alan Bailey, Level C

born: 1970

Others deputies:

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Remarks:

Register no.:

TWI CL/15085/CL1/034/24/0

ECWRV

General provisions:

The General Terms and Conditions of the TWI Certification Ltd apply in the currently valid version.