

# CERTIFICATE

## Welding of railway vehicles and components according to EN 15085-2

This is to certify that **Astra Rail Industries S.A.**  
**a GREENBRIER Europe Company**  
**Dunarii Street nr. 3**  
**220160 Drobeta-Turnu Severin**  
**ROMANIA**

is qualified to perform welding work within the range of certification of:

**Certification level CL1 according to EN 15085-2**

**Field of application:** • New build, conversion and repair of rail vehicles and their components.  
(without design)  
- freight cars  
- underframes  
- vehicle body  
- railway tanks  
• Classification level CL 1 according to DIN 27201-6 for repairing

### Range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
111	1.2	t = 3 - 14 mm	BW

(continuation: see reverse)

**Responsible welding coordinator:** Iulica Carapencea (IWE) born: 07.01.1962  
**Deputy with equal rights:** -  
**Deputy:** Marian-Cristian Mirea (IWE) born: 01.08.1989  
**Certificate no.:** TÜVRh/15085/CL1/666/0A1/20  
**Valid:** from 22.06.2021 to 31.03.2023  
**Issued on:** 22.06.2021  
**Auditor:** DELAMARIAN  
General regulations (see reverse)

Markus  
Head of certification body



Certificate no.: TÜVRh/15085/CL1/666/OA1/20

### Continuation of range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
111	1.2	t = 3 - 70 mm	FW
121	1.2	t = 3 - 14 mm	BW
	1.3	t = 3 - 28 mm	BW
	1.2, 1.3	t = 3 - 70 mm	FW
135	2.2	t = 3 - 12 mm	BW
	7	t = 3 - 20 mm	BW
	8	t = 3 - 28 mm	BW
	1.2/X120Mn12, 2.2	t = 3 - 30 mm	FW
	5.1	t = 3 - 64 mm	BW
	1.2	t = 3 - 64 mm	BW
		D ≥ 25 mm	
	1.2, 1.3, 2.1, 3.1, 7, 8	t = 3 - 70 mm	FW
	1.3	t = 3 - 84 mm	BW
	2.1, 3.1	t ≥ 5 mm	BW
	5.1	t = 7 - 28 mm	FW
138	1.2, 2	t = 3 - 24 mm	BW
	1.2, 2	t = 3 - 30 mm	FW
141/135	1.3	t = 3 - 8 mm	BW
		D ≥ 44 mm	
	1.2	t = 3 - 8 mm	BW
		D ≥ 54 mm	
141	1.2	t = 3 - 8 mm	BW
24	1.2/11	D ≥ 40 mm	BW

### Comments:

Additional Welding Coordinator:

- Mr. Ionut Robert Ciocionoiu (Level C), born 18.09.1987
- Ms. Felicia-Valeria Carapencea (IWS), born 25.09.1961

Certificate no.: TÜVRh/15085/CL1/666/0A1/20

## **General regulations**

according to EN 15085-2

### **Revocation of the Certificate**

The national safety authority or the manufacturer certification body issuing this certificate may revoke the certificate if:

- there are justified doubts as to the proper execution of the welding work according to the stated standards,
- there are justified doubts as to the proper welding coordination according to the stated standards,
- no recognized welding coordinator is available any longer,
- no valid qualification test certificates for the welders and welding operators according to the specified standards are available,
- welders or welding operators without tested qualifications have been entrusted with the execution of welding work under the stated standards,
- other conditions according to the stated standards are no longer satisfied,
- the manufacturer certification body was refused an opportunity to perform the annual verification,
- the welding manufacturer waives the certificate

The welding manufacturer shall acknowledge the revocation in writing to the manufacturer certification body. The manufacturer certification body shall notify the national safety authority.

If a valid certificate is to be renewed, the renewal must be applied for with the manufacturer certification body at least **two months** before the end of the period of validity of the current certificate.

### **Distribution list:**

1. Applicant (original)
2. Files