

# CERTIFICATE

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

This is to certify that **ROLEN TECHNOLOGIES & PRODUCTS S.L.**  
**(ROLEN-MOCA)**  
**P. I. Mas Garriga no. 13**  
**17403 Sant Hilari Sacalm**  
**SPAIN**

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 of components and parts for railway vehicles (without design)

- Entrance doors
- Self-supporting equipment boxes
- Supporting frames for external parts
- Internal parts of passenger coaches
- Driving cab equipment

### Range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
131	22 22 23/22	t = 0.75 - 5 mm t = 1 - 4 mm t = 1.5 - 60 mm	BW FW FW

(continuation: see reverse)

**Responsible welding coordinator:** Oleguer Nicolau Vila (IWE) [external] born: 23.11.1981

**Deputy with equal rights:** -

**Deputy:** Jordi Obiols Riera (Level C) born: 21.04.1967

**Certificate no.:** TÜVRh/15085/CL1/194/3/10

**Valid:** from 18.03.2019 to 17.12.2021

**Issued on:** 01.04.2019

**Auditor:** NORDHAUSEN  
General regulations (see reverse)

Makowka  
Head of certification body



Certificate no.: TÜVRh/15085/CL1/194/3/10

**Continuation of range of certification**

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
131	23/22 23 23	t = 2 - 8 mm t = 2 - 10 mm t = 2.4 - 4 mm	./. FW BW
135	1.1 8 8 1.2 1.2 10 1.1	t = 1 - 2 mm t = 1 - 8 mm D >= 36 mm t = 1 - 16 mm t = 1.4 - 4 mm t = 2.4 - 3 mm t = 3 - 8 mm t = 3 - 16 mm	BW BW FW FW BW FW FW
141	22 8 8 8 8/10	t = 0.75 - 3 mm t = 0.75 - 4 mm D >= 14 mm t = 1 - 2 mm t = 1 - 12 mm t = 3 - 16 mm D >= 14 mm	./. FW BW FW FW
21	23 8 22 8	t = 1 - 1.5 mm t = 1.5 mm t = 1.5 - 2 mm t = 4 mm	./. ./. ./. with a nut M10 WPQR 049-18
785	8	D = 5 - 6 mm	./.

**Comments:**

Authority to test the qualification of welders:

The responsible welding supervisor Mr. Oleguer Nicolau Vila is authorized to test the qualification of welders according to the applicable standards within the range of certification of this Certificate.