



C E R T I F I C A T E

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

SVS/15085/CL1/029/07/6A2

The Swiss Welding Association hereby certifies that the welding company

unimec fabrikations ag
Motorenstrasse 100
8621 Wetzikon
Switzerland

fulfills the requirements
for the scope according to

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

in the range indicated in the annex.

validity: 2023-09-12 until 2026-09-11

Basel, 2025-10-27
Place and date of issue

Lead auditor: B.Sc. WILKE



Dr.-Ing. SUTTER
Head of certification body

Scope of the certificate

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
131	22.3/23.1 23.1 23.1	$t = 1 - 30 \text{ mm}$ $t = 1 - 6 \text{ mm}$ $t = 3 - 20 \text{ mm}$	FW - FW, fully mechanized, robot
135	1.2 2.1 2.1 2.1 8.1 8.1 8.1	$t = 3 - 20 \text{ mm}$ $D \geq 50 \text{ mm}$ $t = 3 - 12 \text{ mm}$ $D \geq 8 \text{ mm}$ $t = 3 - 24 \text{ mm}$ $t = 3 - 24 \text{ mm}$ $t = 2 - 15 \text{ mm}$ $t \geq 3 \text{ mm}$ $t = 3 - 24 \text{ mm}$ $D \geq 500 \text{ mm}$	BW, fully mechanized, robot FW BW FW, BW, fully mechanized FW, fully mechanized, robot FW BW
141	1.2 11.2 22.3 23.1 72.2/8.3 72.2/8.3 8.1 8.1 8.1 8.1 8.1/1.2	$t = 1 - 8 \text{ mm}$ $t = 9 - 42 \text{ mm}$ $t = 1 - 4 \text{ mm}$ $D \geq 500 \text{ mm}$ $t = 3 - 10 \text{ mm}$ $D \geq 500 \text{ mm}$ $t = 2.1 - 37 \text{ mm}$ $D \geq 500 \text{ mm}$ $t \geq 1.4 \text{ mm}$ $t = 1.4 - 2.6 \text{ mm}$ $D \geq 25 \text{ mm}$ $t = 3 - 7.2 \text{ mm}$ $t = 3 - 12 \text{ mm}$ $t = 3 - 12 \text{ mm}$	- FW, $t_1 = 9 - 36 \text{ mm}$ $t_2 = 10.5 - 42 \text{ mm}$ FW FW, BW FW, $t_1 = 3 - 8 \text{ mm}$ $t_2 = \geq 5 \text{ mm}$ FW, $t_1 = 2.1 - 6 \text{ mm}$ $t_2 = 3 - 37 \text{ mm}$ BW, fully mechanized, robot BW FW, fully mechanized, robot FW, BW -
142	8.1	$t = 1.4 - 2.6 \text{ mm}$	fully mechanized, Orbital
21	22.3, 8.1	$t = 3 \text{ mm}$	-

Area of Application:

- New build of components for railway vehicles
 - of bogie components, general carriage linings and interior components
- Design of components for railway vehicles

Responsible welding coordinator(s):

Dipl.-Ing. René Girardier, Level A (IWE) [external] born: 1966-01-07

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

Andrea Bressi, Level B (IWS) born: 1961-08-20

Others deputies:

Jonas Locher, Level C (IWS) born: 1984-10-03

Remarks:

The welding coordinator René Girardier is entitled to test welders / operators in accordance with the relevant standards within the scope of this certificate.

Register no.:

SVS/15085/CL1/029/07/6A2



Scope of the certificate

General provisions:

The General Terms and Conditions of the Swiss Welding Association apply in the currently valid version.

Schweizerischer Verein für Schweißtechnik, St. Alban-Rheinweg 222, 4052 Basel,
Switzerland, <http://www.svs.ch>

