

CERTIFICATE

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

ZE-16083-01-00-EN15085-2015.0371.011

DVS ZERT GmbH hereby certifies that the welding company

**OPAKMET Spółka z ograniczoną odpowiedzialnością
Spółka komandytowa
ul. Marcinkowskiego 110
88-100 Inowrocław
Poland**

fulfills the requirements
for the scope according to

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

in the range indicated in the annex.

validity: 2022-08-24 until 2024-08-07

Düsseldorf, 2022-08-24
Place and date of issue

Lead auditor: M.Eng. KOŁODZIEJ

signed on original
Dipl.-Ing. GURSCHKE
Head of certification body

Scope of the certificate

ZE-16083-01-00-EN15085-2015.0371.011

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
131	22/23 22/23	t = 2 - 30 mm t = 3 - 10 mm	FW BW
135	1.2 1.2 8 1.2 1.4, 7 8 1.4 1.4/8.1 1.4/8.1 10 10 10/8 2.2 2.2 2.2/7, 8 2.2/7 2.2/7 2.2/8 23 7	t ≥ 1.5 mm t = 1.5 - 12 mm t = 1.5 - 12 mm t = 15 - 33 mm t = 1.5 - 16 mm t = 1.5 - 16 mm t = 3 - 12 mm t = 3 - 12 mm t = 3 - 40 mm t = 3 - 40 mm t = 1.4 - 16 mm t = 1 - 9.6 mm t = 1 - 30 mm t = 2 - 20 mm t = 1.5 - 6 mm t = 1.5 - 30 mm t = 3 - 80 mm t = 1.5 - 24 mm t = 0.75 - 12 mm D ≥ 6.5 mm t = 3 - 30 mm	FW BW FW BW, WPS p225c/135/21 FW BW BW FW BW, WPS p221/nxc/135/21 BW FW BW FW BW FW BW FW BW, HV joints FW FW BW, HV joints
141	1.2 1.2, 8/10 10 2.2 2.2 2.2/8 22/23 22/23 23 3 7 7, 8/10 8 8 8.1	t = 3 - 15 mm t = 3 - 30 mm t = 3 - 8 mm t = 1 - 12 mm t = 1.5 - 10 mm t = 1.5 - 50 mm D ≥ 6 mm t = 1 - 10 mm D ≥ 25 mm t = 1.5 - 6 mm t = 1 - 4 mm D ≥ 25 mm t = 4 - 16 mm t = 1.5 - 12 mm t = 3 - 12 mm t = 1 - 20 mm t = 1.5 - 16 mm t = 1 - 8 mm D ≥ 15 mm	BW, WPS p212c/141/2020 FW - FW BW FW FW FW BW BW FW FW BW FW BW BW, Orbital
142	8.1	t = 1 - 8 mm D ≥ 15 mm	BW, Orbital
212	22 23 7 8	t = 1.5 - 3 mm t ≥ 3 mm t ≥ 2 mm t = 1 - 3 mm	- - - -
232	1 2/8 8	t = 1.5 - 5 mm - t = 1.5 - 3 mm	- - M6;M8

Scope of the certificate

ZE-16083-01-00-EN15085-2015.0371.011

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
232			
521	8 8	t = 0.75 - 3.75 mm t = 1.5 - 2.5 mm	FW BW
783	8.1	-	-
784	8.1	D ≥ 8,9 mm	M6
786	2.2/8, 8 22	D = 3 - 8 mm D = 3 - 6 mm	- -

Area of Application:

- New build of components for railway vehicles

Responsible welding coordinator(s):

Maciej Tarasienko, IWE

born: 1985

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

Daniel Pawlak, IWE

born: 1975

Others deputies:

Patryk Dzióbkowski, IWS
Adam Gabor, Level C
Malecki Przemyslaw, IWS
Szukalski Mateusz, IWS
Bartosz Urbanczyk, IWE
Michal Weclowski, IWT
Michal Kwiatkowski, IWS
Robert Owczarzak, Level C

born: 1993
born: 1989
born: 1994
born: 1992
born: 1996
born: 1988
born: 1984
born: 1983

Remarks:

2. Manufacturing plant:
Marcinkowskiego 121
88-100 Inowroclaw

The welding coordinators Maciej Tarasienko, Daniel Pawlak are authorised, within the scope of this certificate, to test welders/operators in accordance with the relevant standards.

Register no.:

DVSZERT/15085/CL1/371/15/27

General provisions:

The General Terms and Conditions of the DVS ZERT GmbH apply in the currently valid version.