

# CERTIFICATE

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

This is to certify that **Huta Zabrze S.A.**

**Mikulczycka 13  
41-800 Zabrze  
POLAND**

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 parts for railway vehicles, without design

### Range of certification

| Welding process according to EN ISO 4063 | Material group according to CEN ISO/TR 15608       | Dimensions  | Comments                     |
|--|--|---|------------------------------|
| 135                                      | 1.2/8.1<br>1.2/8.1<br><br>1.1, 1.2, 1.4<br><br>3.1 | t >= 1.4 mm<br>t = 3 - 16 mm<br>D >= 500 mm<br>t = 3 - 100 mm<br>D >= 44.5 mm<br>t = 3 - 100 mm | FW<br>BW<br><br>BW<br><br>BW |

(continuation: see reverse)

**Responsible welding coordinator:** Michal Dudka (IWE) born: 04.04.1985

**Deputy with equal rights:** Pawel Halder (IWE) born: 19.12.1988

**Deputy:** -

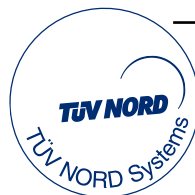
**Certificate no.:** TÜVNORD/15085/CL1/392/0/20

**File reference:** 8117978554 TN3492

**Valid:** from 01.04.2020 to 30.03.2023

**Issued on:** 01.04.2020

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



Hoffmann  
certification body

Certificate no.: TÜVNORD/15085/CL1/392/0/20

### Continuation of range of certification

| Welding process according to EN ISO 4063 | Material group according to CEN ISO/TR 15608 | Dimensions                    | Comments |
|--|--|-------------------------------|----------|
| 135                                      | 1.1, 1.2, 1.4                                | D ≥ 500 mm<br>t ≥ 5 mm        | FW       |
|  | 3.1  | D ≥ 30.15 mm<br>t ≥ 5 mm      | FW       |
|  | 8.1  | D ≥ 500 mm<br>t = 8 - 32 mm   | BW, FW   |
|  | 1.3  | D ≥ 500 mm<br>t = 10 - 50 mm  | BW       |
|  | 1.2/3.1                                      | D ≥ 500 mm<br>t = 15 - 160 mm | BW       |
|  | 8  | t = 25 - 100 mm<br>D ≥ 500 mm | BW       |
| 141                                      | 8.1  | t = 2 - 6 mm<br>D ≥ 44.5 mm   | BW       |
|  | 1.2  | t = 3 - 16 mm<br>D ≥ 44.5 mm  | BW       |

### General regulations

It apply the conditions of the standard EN 15085-2:2007, section 7.

The General Terms and Conditions of the TÜV NORD Systems apply in the currently valid version.

To verify the validity of the digital signature of the TÜV NORD Systems employee, the installation of the TÜV NORD GROUP root certificate is required:

<https://www.tuev-nord.de/en/customer-login/digital-signature/>