

# C E R T I F I C A T E

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

TÜVNORD/15085/CL1/150/12/5

TÜV NORD Systems GmbH & Co. KG hereby certifies that the welding company

**Carmochrome LTD**  
**40 Hamelacha st**  
**20101 Carmiel**  
**Israel**

meets the requirements of the TNS-EN15085 certification scheme for the scope specified.  
The scope of application can be found on the following page.

**EN 15085-2:2020 classification level CL1**  
**in the type of activity P**

validity: 2023-08-16 until 2026-05-31

date of issue: 2023-08-16  
File number: 8121425805  
Customer number: TN3808

Lead auditor: Dipl.-Ing. (FH) ROHARDT

**TUVNORD** Digitally signed  
by Hoffmann Dirk

Dipl.-Ing. HOFFMANN  
certification body



# Scope of the certificate

TÜVNORD/15085/CL1/150/12/5

## Scope:

| Welding process according to EN ISO 4063 | Material group according to CEN ISO/TR 15608          | Dimensions  | Remarks  |
|--|---|---|--|
| 131                                      | 22<br>23  | t = 3 - 6 mm<br>t = 3 - 20 mm   | FW, BW<br>FW, BW   |
| 135                                      | 1.1<br>1.2<br>1.2<br>2.2/3.1<br>3.1<br>8.1/1.2<br>8.1 | t = 1.5 - 20 mm<br>t = 6 - 24 mm<br>t = 4 - 10 mm<br>t = 3 - 10 mm<br>t = 3 - 10 mm<br>t = 3 - 10 mm<br>t = 3 - 12 mm | FW, BW<br>slot welding<br>FW, BW<br>FW<br>FW, BW<br>FW, and lap seam<br>FW, BW |
| 136                                      | 1.2   | t = 3 - 20 mm   | FW, BW   |
| 141                                      | 1.1, 23<br>22<br>8.1                                  | t = 2 - 4 mm<br>t = 1 - 8 mm<br>t = 2 - 6 mm  | FW, BW<br>FW<br>FW, BW   |

## Area of Application:

- New build of components for railway vehicles

## Responsible welding coordinator(s):

Eitan Shochat, Level A

born: 1961-08-01

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

Yaron Berman, Level C

born: 1961-01-04

## Others deputies:

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## Remarks:

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

## General provisions:

The General Terms and Conditions of the TÜV NORD Systems GmbH & Co. KG 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 master certificate is necessary: <https://www.tuev-nord.de/en/customer-login/digital-signature/>

