



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000008R
Revision No:
3

This is to certify:

That

ArcelorMittal Bremen GmbH
Carl-Benz-Straße 30,
28237 Bremen,
Germany

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0242 Semi-finished steel products
DNV class programme – DNV-CP-0243 Rolled steel products – non stainless steel

and the following particulars:

Application area	Normal strength steel High strength steel
Product	Strip
Manufacturing method	Basic Oxygen Converter, Continuous Casting
Max. thickness	See page 2
Heat treatment condition	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-08-26**

This Certificate is valid until **2027-06-30**.

DNV local unit: **Hamburg – CMC North/East**

Approval Engineer: **Christian Wildhagen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Stefan Röhr

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2022-12

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Particulars of the approval

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A, NV B, NV D, NV E	Strip	BOC, CC	Al + Ti	20	CR	---

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A32, NV A36, NV D32, NV D36	Strip	BOC, CC	Al + Ti	20	CR	---
NV A32, NV A36, NV D32, NV D36	Strip	BOC, CC	Al + Nb	20	TM	---

Steels acc. to other standards

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
Steel acc. to EN 10025-2 ³⁾						
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	Strip	BOC, CC	Acc. to standard	20	Acc. to standard	---

Remarks:

- 1) BOC: Basic Oxygen Converter; CC: Continuous Casting
- 2) CR: Controlled rolled; TM: Thermo-mechanical rolling
- 3) Possible application and certification of any material to classed object is subject to case by case approval