

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00008R**Revision No:

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 GL rules for classification – Ships

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 2021-09-01

for DNV

This Certificate is valid until 2024-06-30.

DNV local station: Bremerhaven

Approval Engineer: Stefan Röhr

Thorsten Lohmann
Head of Section

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Job Id: Certificate No:

263.11-005465-3 AMMM000008R

Revision No:

Particulars of the approval

Normal strength steel

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

Steels acc. to other standards

Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality						
Steel acc. to EN 10025-2 3)											
Strip	BOC, CC	Acc. to standard	20	Acc. to standard							
							3)	Product making 1) 3)	Strip BOC, CC Acc. to	Strip BOC CC Acc. to 20	Strip BOC CC Acc. to 20 Acc. to standard

Remarks:

- BOC: Basic Oxygen Converter; CC: Continuous Casting CR: Controlled rolled; TM: Thermo-mechanical rolling
- Certification of any material applied to classed object shall fulfil the applicable material requirements in the DNV GL class rules

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