



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000020X
Revision No:
1

This is to certify:

That

Tata Steel IJmuiden B.V.
Wenkebachstraat 1, 1951 JZ Velsen-Noord,
Netherlands

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships

and the following particulars:

Application area	Normal strength steel
Product	Plates, sheets, strips, coils
Manufacturing method	Basic Oxygen Converter, Continuous Casting
Max. thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 **2022-03-17**

for **DNV**

This Certificate is valid until **2024-04-30**.

DNV local station: **Netherlands FIS**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Particulars of the approval

Normal strength steel

Grade	Product ³⁾	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
VL A	Plate / Sheet	BOC, CC	Al	21	AR
VL A	Strip / Coil	BOC, CC	Al	21	AR

Steels acc. to other standards ³⁾

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
Steel acc. to EN 10025-2					
S235JR	Plate	BOC, CC	acc. to standard	21	acc. to standard

Remarks:

- 1) BOC: Basic Oxygen Converter; CC: Continuous Casting
- 2) AR: As rolled
- 3) Possible application and certification of any material to classed object is subject to case by case approval

Special conditions:

Including the delivery of semi-finished products (continuously cast slabs) in carbon and carbon-manganese steel grades