

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That
VÍTKOVICE STEEL, a. s.
Moravská Ostrava - Ostrava, Czech Republic

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
Det Norske Veritas' Rules for Classification Pt. 2

and the following particulars:

Product Grades Steelmaking	Plates Hull structural steel, see page 2 Basic oxygen converter, Continuous casting or Ingot casting, see page 2
Deoxidation	Killed
Fine grain elements	See page 2
Delivery conditions	See page 2
Max. thickness	See page 2

Høvik, 2014-09-26
 for DNV GL



This Certificate is valid until
 2018-06-30

Hanne Anita Hjerpetjonn

Hanne Anita Hjerpetjonn
 Head of Section

DNV GL local office:
Czechia

Dechun Lou
Dechun Lou
 Surveyor

If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

Certificate No: **AMM-7026**
 File No: **S-SM-RSP**
 Job Id: **263.11-004619-1**

Particulars of the approval:

Steel Plates:

Normal Strength Steels:					
Grade or type	Steelmaking ¹⁾	Fine grain treatment	Delivery condition ²⁾	Max. Thickness (mm)	Z-quality
NV A	BOC, CC	Al	AR	40	-
	BOC, CC	Al+Nb	N	70	-
	BOC, IC	Al+Nb	N	100	-
NV B	BOC, CC	Al	AR	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-
NV D	BOC, CC	Al	N	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-
NV E	BOC, CC	Al+Nb	N	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-
High Strength Steels:					
Grade or type	Steelmaking ¹⁾	Fine grain treatment	Delivery condition ²⁾	Max. Thickness (mm)	Z-quality
NV A32, NV A36	BOC, CC	Al	NR	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-
NV D32, NV D36	BOC, CC	Al	N	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-
NV E32, NV E36	BOC, CC	Al+Nb	N	40	-
	BOC, CC	Al+Nb+V	N	70	-
	BOC, IC	Al+Nb+V	N	100	-

Remarks:

¹⁾ BOC: Basic Oxygen Converter; CC: Continuous Casting; IC: Ingot Casting.

²⁾ AR: As Rolled; NR: Normalising Rolling; N: Normalised.