

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000AK
Revision No:
2

This is to certify:

That

Acroni d.o.o.
Jesenice, Slovenia

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 Steels for boiler and pressure vessels Stainless steel
Product	Steel plates
Manufacturing method	Electric arc furnace, 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-03-26**

for **DNV GL**

This Certificate is valid until **2022-03-25**.

DNV GL local station: **Koper**

Approval Engineer: **Stefan Röhr**

.....
Thorsten Lohmann
Head of Section



Job Id: **263.11-009838-1**
 Certificate No: **AMMM00000AK**
 Revision No: **2**

Particulars of the approval

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm] ⁴⁾	Delivery condition ²⁾
VL A, VL B, VL D, VL E	Plate	EAF, CC	Al	50	NR
VL A, VL B, VL D, VL E	Plate	EAF, CC	Al	50	N

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm] ⁴⁾	Delivery condition ²⁾
VL A32, VLD32	Plate	EAF, CC	Al+Nb	70	NR
VL A32, VL D32, VL E32, VL A36, VL D36, VL E36	Plate	EAF, CC	Al+Nb	100	N

Rolled steels for boiler and pressure vessels

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm] ⁴⁾	Delivery condition ²⁾
VL 360-0N, VL 360-1FN, VL 360S-1FN	Plate	EAF, CC	Al+Nb	60	N
VL 410-0N, VL 410-1FN, VL 410S-1FN	Plate	EAF, CC	Al+Nb	60	N
VL 460-0N, VL 460-1FN, VL 460S-1FN	Plate	EAF, CC	Al+Nb	60	N
VL 510-1FN, VL 510S-1FN	Plate	EAF, CC	Al+Nb	60	N
VL 0.3Mo, VL 0.3MoS	Plate	EAF, CC	-	60	N

Stainless steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm] ⁴⁾	Delivery condition ²⁾
VL 304L, VL 316L, VL 316LN, VL 321, VL 347	Plate	EAF, CC	-	100	SHT

Job Id: **263.11-009838-1**
 Certificate No: **AMMM00000AK**
 Revision No: **2**

Steels acc. to other standards ³⁾

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm] ⁴⁾	Delivery condition ²⁾
Steel acc. to EN 10025-2					
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	Plate	EAF, CC	acc. to standard	50	acc. to standard
Steel acc. to EN 10028-2					
P235GH, P265GH, P295GH, P355GH	Plate	BOC, CC	acc. to standard	60	acc. to standard
Steel acc. to EN 10088-2					
1.4301, 1.4306, 1.4307, 1.4310, 1.4311, 1.4404, 1.4432, 1.4435, 1.4436, 1.4541, 1.4550, 1.4571, 1.4878, 1.4948,	Plate	EAF, CC	-	100	SHT
1.4362, 1.4462			-	80	SHT
Steels according to ASTM A240					
301, 304, 304H, 304L, 304LN, 316, 316L, 316TI, 317L, 321, 321H, 347, 347H	Plate	EAF, CC	-	100	SHT
S31803, S32205, S32304	Plate	EAF, CC	-	80	SHT

Remarks:

- 1) EAF: Electric arc furnace; CC: Continuous casting
- 2) NR: normalizing rolling; N: normalized; SHT: solution heat treated (solution annealed)
- 3) Possible application and certification of any material to classed object is subject to case by case approval
- 4) Max. width: 2000 mm