APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000MM
Revision No:
2

This is to certify:

That

ArcelorMittal Belval & Differdange S.A.
Site de Rodange
Esch-sur-Alzette, Luxembourg

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials

and the following particulars:

Application area	**Normal strength steel** **High strength steel**
Product	**Sections and bars,** **Hot rolled steel for structural application**
Heat treatment condition	**See pages 2, 3**
Max. thickness/diam.	**See pages 2, 3**

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 **2021-02-12**

This Certificate is valid until **2024-08-31**.
DNV GL local station: **Belgium FIS**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**
Digitally Signed By: Roehr, Stefan
Location: DNV GL Hamburg, Germany
Signing Date: 12.02.2021 , on behalf of

Thorsten Lohmann
Head of Section

Particulars of the approval

Normal strength steel

Grade	Product	Steel making[1)]	Fine grain elements	Dimensions [mm]	Delivery condition[2)]	Z-quality
VL A	Section (equal and unequal leg angles)	EAF, CC	Al	L90 to L300	TM	-
	Square Bars	EAF, CC	Al	90 x 90 to 160 x 160	TM	-

High strength steel

Grade	Product	Steel making[1)]	Fine grain elements	Dimensions [mm]	Delivery condition[2)]	Z-quality
VL A32, VL A36	Section (equal and unequal leg angles)	EAF, CC	Al+Nb	L90 to L300	TM	-
	Square Bars	EAF, CC	Al+Nb	90 x 90 to 160 x 160	TM	-
VL D32, VL D36, VL E36	Section (equal and unequal leg angles)	EAF, CC	Si+Nb	L90 to L300	TM	-
	Square Bars	EAF, CC	Si+Nb	90 x 90 to 160 x 160	TM	-

Steels acc. to other standards[3)]

Grade[3)]	Product	Steel making[1)]	Fine grain elements	Dimensions [mm]	Delivery condition[2)]	Z-quality
Steel acc. to EN 10025-2						
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2, S450J0	Section (Equal and unequal leg angles)	EAF, CC	Acc. standard	L90 to L300	Acc. standard	-
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2, S450J0	Square Bars	EAF, CC	Acc. standard	90 x 90 to 160 x 160	Acc. standard	-

Steels acc. to other standards[3)]

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Grade	Product	Steel making[1)]	Fine grain elements	Dimensions [mm]	Delivery condition[2)]	Z-quality
Steel acc. to EN 10025-4						
S355M, S420M, S460M	Section (Equal and unequal leg angles)	EAF, CC	Acc. standard	L90 to L300	Acc. standard	-
S355M, S420M, S460M	Square Bars	EAF, CC	Acc. standard	90 x 90 to 160 x 160	Acc. standard	-
Steel acc. to EN 10025-5						
S355J0W, S355J2W	Section (Equal and unequal leg angles)	EAF, CC	Acc. standard	L90 to L300	Acc. standard	-
Steel acc. to Customer specification						
Fritenar 355, Fritenar 355 Offshore	Section (Equal and unequal leg angles)	EAF, CC	Acc. standard	L90 to L300	Acc. standard	-
Fritenar 355, Fritenar 355 Offshore	Square Bars	EAF, CC	Acc. standard	90 x 90 to 160 x 160	Acc. standard	-

Remarks:

1) EAF: Electric arc furnace
CC: Continuous casting
Steelmaking conducted by ArcelorMittal steel mills approved by DNV GL
2) TM: thermo-mechanical rolling)
3) Possible application and certification of any material to classed object is subject to case by case approval