

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

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

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships
Offshore Standard DNV-OS-B101

and the following particulars:

Product	Sections
Grade(s)	Hot rolled steel for structural application
Steelmaking	Electric arc furnace, Continuous casting
Deoxidation	killed (acc. to standard)
Fine grain elements	See particulars of the approval
Delivery conditions	Thermo-mechanically rolled
Max. thickness/diam.	35 mm
Remarks	See particulars of the approval

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2018-01-31**.

Issued at **Hamburg** on **2016-04-25**

DNV GL local station: **Antwerp**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**

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Thorsten Lohmann
Head of Section

Job Id: 263.11-006200-1
 Certificate No: AMMM00000MK

Particulars of the approval

Rolled steel products:

Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Fine grain elements
Normal strength steel					
VL A, VL B, VL D	FO	TM	CC	35	
High strength steel					
VL A32, VL A36 VL D32, VL D36 VL E32, VL E36	FO	TM	CC	35	Al+Nb, Al+Ti
Non-alloy structural steels acc. to EN 10025-2					
S235JR, S235J0, S235J2 S275JR, S275J0, S275J2 S355JR, S355J0, S355J2, S355K2, and equivalent steel grades	FO	acc. to standard	CC	35	acc. to standard
Thermomechanical rolled weldable fine grain structural steels acc. to EN 10025-4					
S275M, S355M, S355ML, S420M, S460M, and equivalent steel grades	FO	acc. to standard	CC	35	acc. to standard
Weldable structural steels for fixed offshore structures acc. to EN 10225					
S355G11+M, S355G12+M, S355G4+M, and equivalent steel grades	FO	acc. to standard	CC	35	acc. to standard

FO: sections

TM: thermo-mechanically rolled

CC: continuous casting