DNV·GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000MJ

This is to certify:

That

ArcelorMittal Belval & Differdange S.A.
Site de Differdange
Differdange, 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.	**140 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**
Digitally Signed By: Lohmann, Thorsten
Location: DNV GL Hamburg, Germany
Signing Date: 2016-06-14

Thorsten Lohmann
Head of Section

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	FO	TM	CC	100	
VL D, VL E	FO	TM	CC	100	Al+Nb, Al+V
High strength steel					
VL A32, VL A36 VL D32, VL D36 VL E32, E36	FO	TM	CC	100	Al+Nb, Al+V
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	125	acc. to standard
Thermomechanical rolled weldable fine grain structural steels acc. to EN 10025-4					
S275M, S275ML S355M, S355ML, S420M, S420ML, S460M, S460ML, and equivalent steel grades	FO	acc. to standard	CC	140	acc. to standard
Weldable structural steels for fixed offshore structures acc. to EN 10225					
S355G11+M, S355G12+M, S355G4+M, S420G3+M, S420G4+M, S460G3+M, S460G4+M and equivalent steel grades	FO	acc. to standard	CC	125	acc. to standard

FO: sections TM: thermo-mechanically rolled CC: continuous casting