



JSW Steel (USA) Inc., (WCN: 503385)
5200 E. McKinney RD STE #200,
Baytown, Texas 77520

Reference: T1628478 (VM/VB)
Project Number: 3909438
Certificate: STML-T1533127-1

ATTN: Ms. Shana Starr:

Extension of Steel Mill Approval
ABS Approval of JSW Steel (USA) Inc., Baytown, Texas

We have the ABS Houston Plant Survey Report HS3216487 dated January 18, 2017, along with your submittals and enclosures relative to the subject. With regard thereto we advise that JSW Steel (USA) Inc., Baytown, Texas is considered approved to produce steel products to the requirements of the *ABS Rules for Materials & Welding Part 2: 2-1-2, 2-1-3, 2-A4-2 (2017)* as outlined herein, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Please note it is the responsibility of the steel mill to inform ABS of any changes to the manufacturing parameters and request renewal of approval prior to the five year expiry date.

A copy of the documentation appropriately stamped to indicate our review is being retained. If you need to contact ABS regarding this review please email to vmantravadi@eagle.org.

Very truly yours

Roy H. Bleiberg
Vice President of Engineering,
ABS Americas

V. Balasubramaniam
Principal Engineer,
ABS Materials Houston



**Extension of Steel Mill Approval
ABS Approval of JSW Steel (USA) Inc., Baytown, Texas**

Product	Grades	Maximum Thickness	Steel Making Practice**	Deoxidation Practice	Fine Grain Practice	Casting Practice**	Heat Treatment Facility	Delivery condition
Plates	A*/B*/D	2.58" (65.5 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Normalized
Plates	A*/B*/D	2.58" (65.5 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Control Rolled
Plates	A*/B*/D*/E	2.00" (50.8 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Normalized
Plates	AH*/DH*/EH 32*/36 Z35	3.28" (83.3 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Normalized
Plates	AH*/DH*/EH 32*/36 Z35	3.28" (83.3 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Control Rolled
Plates	AH*/DH 32*/36	3.24" (82.3 mm)	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In House	Control Rolled



Markings	AB/AN, AB/BN, AB/DN, AB/A, AB/B, AB/DN, AB/AN, AB/BN, AB/EN, AB/AH32N, AB/DH32N, AB/EH32N, AB/AH36N, AB/DH36N, AB/EH36N, AB/AH32, AB/AH36, AB/EH32, AB/DH32N, AB/AH32, AB/AH36, AB/EH36, AB/DH32N, AB/AH36, AB/DH36N
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Note: The approval of asterisk () superscripted grades in the above table is based on the qualification test data presented on non-asterisk superscripted grades in the same table, and hence, the derivative benefit.

** The Approved Steel Mill is only expected to receive its semi-finished products from: 1) JSW Steel Limited, Vijaynagar Works, Karnataka, India
2) ArcelorMittal Lazaro Cardenas S.A. de C.V., Michoacan, Mexico

Previously Approved Grades:

Product	Grade	Maximum Thickness	Steel Making Practice**	Deoxidization Practice	Fine Grain Practice	Casting Practice**	Heat Treatment Facility	Delivery Condition
Plate	A*, B	75 mm	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In-House	As Rolled (AR)
Plate	D	35 mm	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In-House	As Rolled (AR)
Plate	A*, B*, D	75 mm	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In-House	Control Rolled (CR)
Plate	A*, B*, D*, E	50 mm	ABS Approved Sources	Si-Al	AI	ABS Approved Sources	In-House	Normalized (N)
Plate	AH32*, AH36*, DH32*, DH36	13 mm	ABS Approved Sources	Si-Al	AI+V	ABS Approved Sources	In-House	As Rolled
Plate	AH40	13 mm	ABS Approved Sources	Si-Al	AI+V	ABS Approved Sources	In-House	As Rolled



Plate	AH32*, AH36*, DH32*, DH36	50 mm	ABS Approved Sources	Si-Al	Al+V	ABS Approved Sources	In-House	Control Rolled (CR)
Plate	AH32*, AH36*, DH32*, DH36*, EH32*, EH36	63 mm	ABS Approved Sources	Si-Al	Al+Nb+V	ABS Approved Sources	In-House	Normalized (N)
Markings	AB/A, AB/B, AB/D, AB/E, AB/AN, AB/BN, AB/DN, AB/EN, AB/AH32, AB/DH32, AB/EH32, AB/AH36, AB/DH36, AB/EH36, AB/AH40, AB/AH32N, AB/DH32N, AB/EH32N, AB/AH36N, AB/DH36N, AB/EH36N							

Note: The approval of asterisk () superscripted grades in the above table is based on the qualification test data presented on non-asterisk superscripted grades in the same table, and hence, the derivative benefit.

** The Approved Steel Mill is only expected to receive its semi-finished products from: 1) Azovstal Iron and Steel Works

2) JSC Nizhny Tagil Metallurgical Plant

3) Ilyich Iron & Steel Works