



CERTIFICATE NUMBER
STML-T2019336-1

ISSUING OFFICE
Rotterdam Materials Eng

CERTIFICATE OF STEEL MILLS FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

KOREA STEEL CO.,LTD. NOKSAN WORKS

84, NOKSANSANDAN 407-RO, BUSAN, Korea, Republic of

attend its facilities as indicated in the ABS City Busan Port port office survey report number 4117977 dated 02 April 2020 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Section components for marine applications

in accordance with the ABS Approval letter (Reference T2195471), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 01 April 2025 subject to adherence to relevant ABS Rules and Survey requirements.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 02 April 2020
EXPIRY DATE: 01 April 2025

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Task – T2195471
Steel Mill Approval
Certificate No. STML-T2019336-1

Attention: Woo-Jin Na, Korea Steel Co., Ltd. Noksan Works (WCN 550906)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture products for hull application as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (2021)

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

For any clarifications, contact Nikolaos Vrellos at +31 6827 49049, or nvrellos@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President

Electronically Signed by: Satya Meruva

Documents List

| Drawing No. | Rev. No. | Title | Status |
|-------------|----------|-------------------------|---------------------------------|
| Name Change | - | Request for Name Change | Filed by ABS for Reference Only |

An electronic copy of the documents appropriately stamped will be returned by FTP/e-mail.

Process/Product Approval

| Product | Grade | Thickness | Fine Grain Practice | Casting Practice | Delivery condition |
|--|---------------------|-----------|---------------------|------------------|--------------------|
| Section - Flat Bar | ABS - AH32*/36 | 30mm | N/A | N/A | As Rolled (AR) |
| Section - Angle/Channel | ABS - AH*/DH 32*/36 | 15mm | N/A | N/A | As Rolled (AR) |
| Section - Angle | ABS - A | 15mm | N/A | N/A | As Rolled (AR) |
| Section - Flat Bar | ABS - A | 30mm | N/A | N/A | As Rolled (AR) |
| Section - Round Bar | ABS - A | 65mm | N/A | N/A | As Rolled (AR) |
| Steel Making Practice: ABS Approved Sources | | | | | |
| Deoxidation Practice: N/A | | | | | |
| Heat treatment Facility: N/A | | | | | |

* Approval of these grades is based on qualification tests carried out on the higher grade.

Include: Manufacturer Approval Certificate (STML-T2019336-1)