



Certificate No : MD00/1868/0010/1

STOMANA INDUSTRY AD  
1, Vladaysko Vastanie Str.  
2304 Pernik  
Bulgaria

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

**Steelmaking, Semi-Finished Products and Plates**

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 15 April 2019  
Date of Issue : 19 April 2016

**Clive Arnold**

Senior Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group



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Appendix 1

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<b>Steelmaking</b>	<b>E.A.F. / Con Cast</b>	<b>Grades</b>	
		As below	
<b>Semi-Finished Products</b>	<b>Blooms/Billets</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
		As below	200.0
<b>Plates</b>	<b>Normal Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	A	40.0
As Rolled	Killed	A	25.0
<b>Plates</b>	<b>Higher Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Normalized	Fine Grain Al+Nb	AH27S, AH32, AH36, DH27S, DH32, DH36	25.0
Normalized	Fine Grain Al+V	AH27S, AH32, AH36, DH27S, DH32, DH36	40.0
Normalized	Fine Grain Al	AH27S, AH32, AH36, DH27S, DH32, DH36	25.0
Normalizing Rolled	Fine Grain Al+V	AH32, AH36, DH32, DH36	25.0
<b>Plates</b>	<b>Boiler &amp; Pressure Vessel</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Killed	360AR, 410AR	25.0
Normalized	Fine Grain Al+Nb	360FG, 410FG, 460FG, 490FG, 510FG	25.0
Normalized	Fine Grain Al+V	360FG, 410FG, 460FG, 490FG, 510FG	40.0
Normalized	Fine Grain Al	360FG, 410FG, 460FG, 490FG, 510FG	25.0
Normalizing Rolled	Fine Grain Al+V	360FG, 410FG, 460FG, 490FG, 510FG	25.0

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