

Approved Manufacturer of Steel Plates, Strip, Sections & Bars

Manufacturer	PJSC "AZOVSTAL IRON & STEEL WORKS"
Address	1, Leporsky St., Mariupol 87500, Ukraine
Type	Plates Steel Making Semi-Finished Products
Scope of Approval	Steelmaking, Semi-Finished Products, Plates Steelmaking: B.O.S / Con Cast. Semi-Finished Products: Slabs Plates, Normal Strength, Higher Strength, Boiler and Pressure Vessel grades. Details as per Appendix. Approval includes plates with specified through thickness properties to Z25 and Z35 specifications.

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 on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.

Approval Notes **Previous Lloyd's Register reference No. 0779.**



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Clive Arnold

Lead Metallurgist: Metallurgical Assurance to
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Plates	Higher Strength	Grades	Maximum Thickness	Units
Thermo Mechanical	Fine Grain Al+Nb+Ti	EH36, DH36, AH36, EH32, DH32, AH32, EH27S, DH27S, AH27S	30.00	mm
Quenched and Tempered	Fine Grain Al+V	EH40, DH40, AH40	50.00	mm
Quenched and Tempered	Fine Grain Al+Nb	EH36, DH36, AH36	50.00	mm
Normalizing Rolled	Fine Grain Al+Nb	DH36, AH36, DH32, AH32, DH27S, AH27S	20.00	mm
Normalized	Fine Grain Al	EH36, DH36, AH36, EH32, DH32, AH32, EH27S, DH27S, AH27S	50.00	mm
Normalized	Fine Grain Al+V	EH40, DH40, AH40, DH36, AH36, EH32, DH32, AH32, EH27S, DH27S, AH27S	50.00	mm
Normalized	Fine Grain Al+Nb+V	EH36, DH36, AH36, EH32, DH32, AH32, EH27S, DH27S, AH27S	50.00	mm
Normalized	Fine Grain Al+Nb	EH36, DH36, AH36, EH32, DH32, AH32, EH27S, DH27S, AH27S	50.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	DH36, AH36, DH32, AH32, DH27S, AH27S	50.00	mm
Normalized	Fine Grain Al+V	EH36	50.00	mm
Plates	Boiler and Pressure Vessel	Grades	Maximum Thickness	Units
Normalizing Rolled	Fine Grain Al	410FG, 360FG	50.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	510FG, 490FG, 460FG, 410FG, 360FG	50.00	mm
Normalizing Rolled	Fine Grain Al+Nb	510FG, 490FG, 460FG, 410FG, 360FG	20.00	mm



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Normalized	Killed	410, 360	50.00	mm
Normalized	Fine Grain Al	510FG, 490FG, 460FG, 410FG, 360FG	50.00	mm
Normalized	Fine Grain Al+V	510FG, 490FG, 460FG, 410FG, 360FG	50.00	mm
Normalized	Fine Grain Al+Nb+V	510FG, 490FG, 460FG, 410FG, 360FG	50.00	mm
Normalized	Fine Grain Al+Nb	510FG, 490FG, 460FG, 410FG, 360FG	50.00	mm

Plates	Normal Strength	Grades	Maximum Thickness	Units
Normalizing Rolled	Fine Grain Al	D, B, A	50.00	mm
Normalized	Killed	A	50.00	mm
Normalized	Fine Grain Al	B, A	100.00	mm
Normalized	Fine Grain Al	E, D	50.00	mm

Semi-Finished Products	Slabs	Grades	Maximum Thickness	Units
-	-	Higher Strength	270.00	mm
-	-	Normal Strength	270.00	mm

Steel making	B.O.S. / Con Cast	Grades	N/A	Units
-	-	carbon, carbon manganese	1.00	N/A



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