

Materials Quality Scheme

Manufacturer	NLMK Clabecq SA
Address	Rue de Clabecq 101, Ittre, 1460, Belgium
Type	Plates
Scope of Approval	Materials Quality Scheme Approval No. MQS 016. Steel Plates Normal and Higher Strength, details of grades as per Appendix. Company also approved under Materials Survey Scheme, separate approval certificate applies.

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. 2204.
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71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Clive Arnold

Lead Metallurgist: Metallurgical Assurance to
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Plates	Normal Strength	Grades	Maximum Thickness	Units
As Rolled	Fine Grain Al	A	50.00	mm
As Rolled	Fine Grain Al	B	50.00	mm
As Rolled	Killed	A	25.00	mm
Normalizing Rolled	Fine Grain Al	D, B, A	40.00	mm
Thermo Mechanical	Fine Grain Al	A	35.00	mm
Thermo Mechanical	Fine Grain Al	B	35.00	mm
Thermo Mechanical	Fine Grain Al	D	35.00	mm
Thermo Mechanical	Fine Grain Al	E	35.00	mm

Plates	Higher Strength	Grades	Maximum Thickness	Units
As Rolled	Fine Grain Al	AH27S	12.50	mm
As Rolled	Fine Grain Al	AH32	12.50	mm
As Rolled	Fine Grain Al	DH27S	12.50	mm
As Rolled	Fine Grain Al	DH32	12.50	mm
Normalizing Rolled	Fine Grain Al+Nb+V	AH27S	25.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	AH32	25.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	AH36	25.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	DH27S	25.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	DH32	25.00	mm
Normalizing Rolled	Fine Grain Al+Nb+V	DH36	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	AH27S	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	AH32	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	AH36	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	DH27S	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	DH32	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	DH36	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	EH27S	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	EH32	25.00	mm
Thermo Mechanical	Fine Grain Al+Nb	EH36	25.00	mm



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