

## Approved Manufacturer of Steel Plates, Strip, Sections & Bars

<b>Manufacturer</b>	<b>Sidenor Aceros Especiales S.L.U.</b>
<b>Address</b>	Barrio de Ugarte S/N, Basauri-Vizcaya, 48970, Spain
<b>Type</b>	Semi-Finished Products  Steel Making  Bars
<b>Scope of Approval</b>	<b>Steelmaking, Semi-Finished products and Bars</b>  <b>Steelmaking: E.A.F/Con Cast</b>  <b>Semi-Finished: Blooms and Billets, details as per Appendix.</b>  <b>Bars: Machinery and Chain Cable Stock, details as per Appendix.</b>  <b>Concast Blooms approved to 350 x 470 mm section size.</b>  <b>The approval for bars for chain cable stock grades: R3, R3S, R4, R4S and R5 are restricted to supply to <i>Vicinay Sestao SA</i> to the applicable purchasing specification: MPSR3, MPSR3S, MPSR4, MPSR4S and MPSR5.</b>  <b>The latest issue of the <i>Vicinay</i> purchasing specifications are accepted subject to these maintaining the required material conditions under which approval was granted.</b>

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.



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

**Clive Arnold**

Lead Metallurgist: Metallurgical Assurance to  
Lloyd's Register EMEA  
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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. 0051.**



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<b>Steel making</b>	<b>E.A.F. / Con Cast</b>	<b>Grades</b>	<b>As below</b>	<b>Units</b>
-	-	As below	1.00	As below
<b>Semi-Finished Products</b>	<b>Blooms</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
-	-	As below	350.00	mm
<b>Semi-Finished Products</b>	<b>Billets</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
-	-	As below	240.00	mm
<b>Bars</b>	<b>Machinery</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
Normalized	Killed	Carbon	100.00	mm
Normalized	Fine Grain Al	Carbon-manganese	100.00	mm
Quenched and Tempered	Killed	Alloy	100.00	mm
<b>Bars</b>	<b>Chain Cable Stock</b>	<b>Grades</b>	<b>Maximum Thickness</b>	<b>Units</b>
As Rolled	Fine Grain Al+V+Ti	R3	78.00	mm
As Rolled	Fine Grain Al+V+Ti	R3S	78.00	mm
As Rolled	Fine Grain Al+V+Ti	R4	78.00	mm
As Rolled	Fine Grain Al+V+Ti	R5	78.00	mm
As Rolled	-	API-2F	78.00	mm
As Rolled	Fine Grain Al	U2	100.00	mm
As Rolled	Fine Grain Al+V	U3	100.00	mm



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