SINOXX

STAINLESS STEEL

BRAND OVERVIEW

SINOXX stainless steel is used in the most demanding environments and applications. Made from recycled steel scrap in an electric arc furnace, SINOXX is a truly sustainable material. By careful alloying, we increase corrosion resistance and fine-tune our selection of SINOXX grades. Each grade has emphasized properties which ensure a longer lifespan and usability of your product. Choose from our wide range of SINOXX products to find the perfect stainless steel grade for your needs.

APPLICATIONS

- Chemical and petrochemical industry
- Food and pharmaceutical industry
- Energy: oil & gas, LNG, fusion, nuclear, hydrogen, renewable energy
- Water treatment
- Offshore applications

5 REASONS TO CHOOSE SINOXX

- Extreme corrosion resistance
- Good formability and weldability
- High mechanical strength
- High service temperatures
- Sustainable material choice

DIMENSIONS

	Quarto plates
Thickness [mm]	7–130 (0.276''–5.118'')
Width [mm]	1000–2500 (39.370''–98.425'')
Length [mm]	2000–12000 (78.740''–472.441'')
Weight [kg]	max. 9600

	Strips	Sheets
Thickness [mm]	0.35–6.00 (0.0138''–0.236'')	0.35–6.00 (0.0138''–0.236'')
Width [mm]	30–1000 (1.181''–39.370'')	1000 (39.370'')
Length [mm]	–	2000–6000 (78.740''– 236.220'')
Weight [kg/mm width]	6–8.6	–
Coil ID [mm]	508 (20“)	–

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Grades	SIJ designation	EN	UNS/AISI/ASTM	GOST	QP	Coil
Austenitic	SINOXX 4301	1.4301	304	12X18H9	•	
	SINOXX 4305	1.4305	303		•	
	SINOXX 4306	1.4306	304L	06X18H11	•	
	SINOXX 4307	1.4307	304L	04X18H10	•	
	SINOXX 4307 machinability+	1.4307	304L		•	
	SINOXX 4311	1.4311	304LN		•	
	SINOXX 4315	1.4315	304N		•	
	SINOXX 4541	1.4541	321	08X18H10T	•	
	SINOXX 4550	1.4550	347/347H	08X18H12B	•	
	SINOXX 4878	1.4878	321H	08X18H10T / 12X18H10T	•	
	SINOXX 4948	1.4948	304H		•	
Austenitic with Mo	SINOXX 4401	1.4401	316		•	
	SINOXX 4404	1.4404	316L		•	
	SINOXX 4404 machinability+	1.4404	316L		•	
	SINOXX 4406	1.4406	316LN		•	
	SINOXX 4429	1.4429	316LN		•	
	SINOXX 4432	1.4432	316L		•	
	SINOXX 4435	1.4435	316L	03X17H14M3	•	
	SINOXX 4436	1.4436	316L		•	
	SINOXX 4438	1.4438	317L		•	
	SINOXX S471		317L		•	
	SINOXX 4571	1.4571	316Ti	10X17H13M2T	•	
	SINOXX 316H		316H		•	
	SINOXX XM-19		S20910 / XM-19		•	
	SINOXX 4539	1.4539	904L		•	
	SINOXX S451			12X18H9T	•	
	SINOXX S461			05X18H10T	•	
	SINOXX S462			03X18H10T	•	
	SINOXX S463			12X18H12T	•	
	SINOXX S464			08X18H12T	•	
	SINOXX S465			03X18H11	•	
	SINOXX S466			08X18H10	•	
Heat-resistant austenitic	SINOXX 4828	1.4828			•	
	SINOXX 4833	1.4833	309/309S/309H		•	
	SINOXX 4835	1.4835	S30815		•	
	SINOXX 4841	1.4841	314		•	
	SINOXX 4845	1.4845	310/310S/310H	20X23H18	•	
Ferritic	SINOXX 4000	1.4000	410S		•	
	SINOXX 4002	1.4002	405		•	
	SINOXX 4003	1.4003	S41003		•	
	SINOXX 4016	1.4016	430		•	
	SINOXX 4510	1.4510	439		•	
	SINOXX 4512	1.4512	S40910/S40920		•	
Heat-resistant ferritic	SINOXX 4713	1.4713			•	•
	SINOXX 4724	1.4724			•	•
	SINOXX 4725	1.4725			•	•
	SINOXX 4742	1.4742			•	•
	SINOXX 4746	1.4746			•	•
	SINOXX 4762	1.4762			•	•
	SINOXX 4767	1.4767			•	•
Martensitic	SINOXX 4006	1.4006	410/403	12X13	•	
	SINOXX 4021	1.4021	420		•	
	SINOXX 4028	1.4028	420		•	
	SINOXX 4034	1.4034	420		•	
	SINOXX 4313	1.4313	S41500		•	
	SINOXX 4418	1.4418			•	
Precipitation hardening	SINOXX 4542	1.4542	630		•	
Duplex / Superduplex	SINOXX 4162	1.4162	S32101		•	
	SINOXX 4362	1.4362	S32304		•	
	SINOXX 4462	1.4462	S32205	03X22H5AM3	•	
	SINOXX 4410	1.4410	S32750		•	
	SINOXX 4501	1.4501	S32760		•	
	SINOXX 433G			08X22H6T	•	
	SINOXX 446G			08X21H6M2T	•	
Ni Superalloy	SIPREME 800H	1.4876	800H		•	

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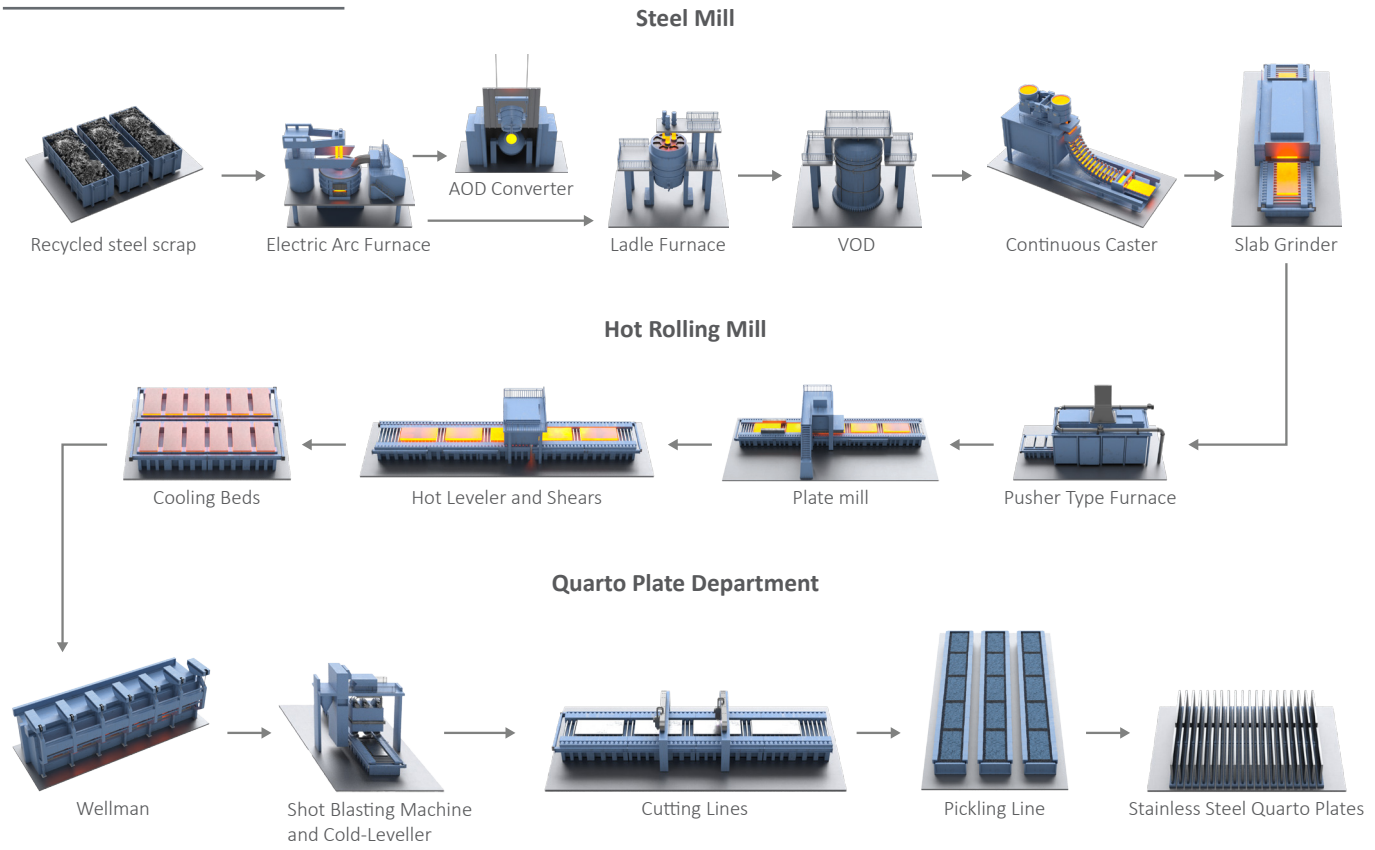
SURFACE FINISH

Format	Symbol	Type of condition	Surface finish	Notes
Quarto plate	1D	Hot rolled, heat treated, pickled	Free of scale	Usually standard for most steel types to ensure good corrosion resistance; also common finish for further processing.
	1C	Hot rolled, heat treated, not descaled	Covered with rolling scale	Suitable for parts which will be descaled or machined in subsequent production or for certain heat-resisting applications.
	1E	Hot rolled, heat treated, mechanically descaled	Free of scale	The type of mechanical descaling, e.g coarse grinding or shot blasting, depends on the steel grade and the product, and is left to the manufacturer's discretion, unless otherwise agreed.
Hot-rolled sheet/coil	1C	Hot rolled, heat treated, not descaled	Covered with rolling scale	Suitable for parts which will be descaled or machined in subsequent production or for certain heat-resisting applications.
Cold-rolled sheet/coil	2C	Cold rolled, heat treated, not descaled	Smooth with scale from heat treatment	Suitable for parts which will be descaled or machined in subsequent production or for certain heat-resisting applications.

PRODUCTION PROCESS



Approvals, standards and certificates

Scan • Click

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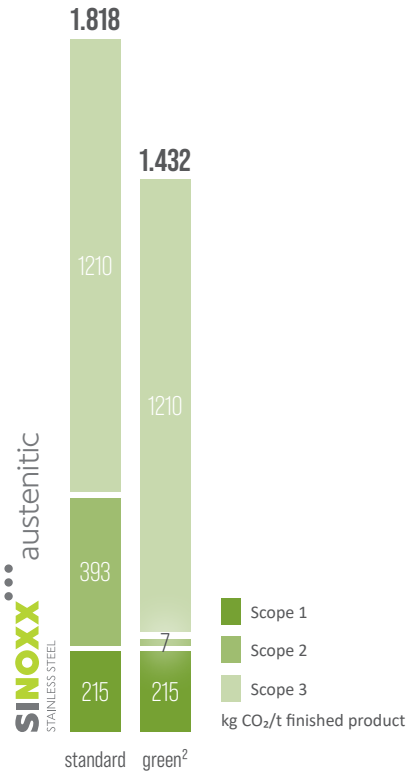

green²

Recycled content

Green² steel is made from recycled steel scrap, without the use of iron ore.

100 % renewable electricity

Green² steel is made with 100 % renewable electricity.

Single site production

Green² steel is produced entirely in one location avoiding unnecessary emissions from transporting semi-finished products.

SIJ Acroni is the largest steel producer in Slovenia, specializing in producing hot- and cold-rolled flat steel products. We are among the leading European producers of stainless-steel quarto plates and one of the most important producers of tool, electrical, wear-resistant and high-strength structural steels. SIJ Acroni guarantees a constant level of quality by focusing on continuous development and improvement of processes and materials. We are certified according to IATF 16949, ISO 9001, ISO 14001, ISO 45001, ISO 50001, EN ISO/IEC 17025 and ResponsibleSteel. SIJ Acroni is a member of the vertically integrated group SIJ – Slovenian Steel Group.

Living Circular Economy

We value flexibility and sustainability, which is why we make small batches of high-quality steel products with high added value and a low CO_2 footprint for niche markets. SIJ Acroni is proud to have one of the lowest carbon footprints in the industry.

- 100% of our steel is made from recycled steel scrap in an electric arc furnace. We use magnetic separation to purify and increase the quality of scrap. This helps us reduce our environmental impact and increase the quality of the final product.
- 98% of waste generated during our production process, such as steel scrap and slag, is recycled or otherwise reused.

Responsible Steel™
CERTIFIED SITE ACE/2024/108799.1

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