PRODUCT CATALOG 2026

TIN PLATE PRODUCTS

U. S. Steel Košice, s.r.o.

ABOUT U. S. STEEL KOŠICE

U. S. Steel Košice is transforming into a customer-oriented and competitive steel producer. We want to deliver high-quality products with added value and innovative solutions with a lower carbon footprint.

Strong production infrastructure

U. S. Steel Košice, s.r.o. is one of the largest integrated producers of flat steel products in Central Europe, providing a wide assortment of hot rolled, cold rolled and coated products including hot dip galvanized, color coated, tinplate and nongrain oriented sheets. On top of flat rolled steel products, we also produce spiral welded pipes.

Our operation facilities include two coke batteries, four sintering strands, three blast furnaces, four steelmaking vessels, a vacuum degassing unit, two

3
Blast furnaces

4.5M
Max. annual capacity of raw steel slab production (metric tons)

65+
Years of tradition of steelmaking in Košice

500+
Satisfied customers worldwide

U. S. Steel Košice

dual strand continuous casters, a hot strip mill, two pickling lines, two cold reduction mills, a batch annealing facility, a skin-pass, a two-stand tandem mill, two continuous annealing lines, two hot-dip galvanizing lines, two tin-coating lines, one dynamo line, a color-coating line and two spiral-welded pipelines.

We also have multiple slitting, cutting and other finishing lines for flat products. Power engineering plant is also part of the Company.

The research and development unit operates pilot lines for laboratory-scale simulation of liquid steel production, hot and cold rolling, annealing, hot-dip coating, stamping, physical and corrosion process, as well as laser-based thickness and profile measurement of steel sheets.

Certified. Connected. Committed.

We hold certified management systems across quality (EN ISO 9001, IATF 16949), environment (EN ISO 14001), energy (EN ISO 50001), and safety (EN ISO 45001).

We are an active member of key industry, trade and regional organizations across Europe.

ResponsibleSteel™

ResponsibleSteel is a global, multi-stakeholder standard and certification program for steel, verified through independent audits against ESG principles across the value chain, covering governance, human rights, health and safety, environment, and climate, with surveillance audits.

In 2026, U. S. Steel Košice completes its ResponsibleSteel site certification and commits to the same principles.

SOLUTIONS & PRODUCTS

U. S. Steel Košice serves several steel-consuming sectors. To maintain its competitive position in challenging market conditions, we focus on continuous improvement projects and activities as the main tools to make decisions and implement programs which lead to higher quality goods and sustainable profitability improvements.

Packaging

Steel is the material of choice across packaging industries. It offers perfect protection for food, beverages, cosmetic aerosols, paints and adhesives.

With its mechanical strength, barrier properties and thermal resistance, steel protects what matters most.

Other solutions in our portfolio:

Automotive · Appliance · Construction · Energy · Service centers

Steel is everywhere and forever

We encounter steel every day in all our activities. For centuries, humanity has recognized its undeniable advantages and the value it creates.

As one of the few materials, it endures forever thanks to its infinite recyclability. Steel will remain our companion far beyond the horizon of the future.

∞

Recyclable without quality loss

82%

Steel packaging recycled in EU*

75%

Steel products ever made that are still in use today*

**Source: steelforpackagingeurope.eu*

ABOUT TIN PLATE PRODUCTS

U. S. Steel Košice produces electrolytic tinned plate (tinplate), the input material for a complete range of packaging products. We supply **electrolytic tinned plate** in single-reduced (SR) and double-reduced (DR) grades.

Our tinplate preserves food naturally. Hermetically sealed steel cans protect flavour, vitamins and nutritional value without preservatives or additives. Tinplate is impermeable to light, air and bacteria, making it nature's best packaging material.

ETP

Electrolytic tinned plate applications

Food packages · Beverage containers · Decorative tins · Lids & closures · 2-piece cans · 3-piece cans · Drawn cans · Ends · Crown caps

Other products in our portfolio:

Hot Rolled Products · Cold Rolled Products · Hot Dip Galvanized Products · Organic Coated Products · Electrical Products · Spiral Welded Pipes · By products

Technical Specifications

All steels are produced using modern BOF technology. Fully killed steels are continuously cast into slabs and rolled on a five-stand mill. The tin layer is applied electrolytically on both sides of the sheet using the MSA-based process.

Technical datasheets on next page >

174 kg

Packaging bought per European/year*

25B

Food cans produced and filled in Europe/year*

Quality - Single Reduced (SR)

Continual annealed (CA)	Thickness (CA) [mm]	Width [mm]	Exception
			Max. width
TH350	0.170 - 0.175 0.180 - 0.400	720 - 850 720 - 1 000	- -
TH370	0.170 - 0.175 0.180 - 0.400 0.405 - 0.420	720 - 860 720 - 1 000 max 965	- - -
TH415	0.170 - 0.175 0.180 - 0.400 0.405 - 0.420	720 - 850 720 - 1 000 max 900	952 1 037 -
TH435	0.170 - 0.175 0.180 - 0.400 0.405 - 0.420	720 - 850 720 - 1 000 max 900	960 - -
TH460N	0.170 - 0.175 0.180 - 0.400 0.405 - 0.420	720 - 850 720 - 1 000 max 900	966 1 026 -

Batch annealed (BA)	Thickness (BA) [mm]	Width [mm]	Exception
			Max. width
TS245	0.170 - 0.175 0.180 - 0.210 0.215 - 0.380 0.385 - 0.410	720 - 850 720 - 970 720 - 1 000 720 - 985	930 - - -
TS260	0.170 - 0.175 0.180 - 0.220 0.225 - 0.250 0.260 - 0.420	720 - 850 720 - 1 000 720 - 1 030 720 - 1 000	- - - 1 010
TS275	0.170 - 0.175 0.180 - 0.350 0.355 - 0.400	720 - 850 720 - 1 000 720 - 990	935 1 026 1 010
TS290	0.180 - 0.400	720 - 980	1 005

N – Nitorgenised

Quality - Double Reduced (DR)

Continual annealed (CA)	Thickness (CA) [mm]	Width [mm]	Exception
			Max. width
TH480	0.150 - 0.200	720 - 950	-
TH520	0.150 – 0.155 0.160 – 0.180 0.185 – 0.195 0.200 – 0.290 0.300 – 0.350	720 – 995 720 – 980 720 – 1 000 720 – 970 720 – 902	1 005 996 1 035 975 –
TH520B	0.140 – 0.155 0.160 – 0.180 0.185 – 0.240	720 – 985 720 – 960 720 – 940	- - -
TH550B	0.130 – 0.135 0.140 – 0.155 0.160 – 0.180 0.185 – 0.240	720 – 950 720 – 985 720 – 960 720 – 940	- - - -
TH550	0.140 – 0.145 0.150 – 0.155 0.160 – 0.260 0.270 – 0.300	720 – 935 720 – 970 720 – 990 720 – 970	– 985 995 –
TH550D	0.150 - 0.170	720 - 920	-
TH550M	0.140 - 0.150	720 - 950	-
TH550N; E	0.170 – 0.260 0.270 – 0.350	720 – 985 720 – 940	1 035 -
TH580	0.140 – 0.155 0.160 – 0.170 0.180 – 0.240	720 – 970 720 – 1 005 720 - 960	- - -
TH580D	0.140 – 0.170	720 - 975	990
TH580M	0.140 – 0.145 0.150 – 0.170	720 – 995 720 – 990	- -
TH580N	0.170 – 0.200 0.205 – 0.240	720 – 930 720 – 960	- -
TH620	0.140 – 0.140 0.145 – 0.195 0.200 – 0.260 0.265 – 0.300	720 – 900 720 – 1 010 720 – 970 720 – 945	– 1 030 1 000 –
TH620D	0.140 – 0.190	720 - 995	1 025
TH620M	0.140 – 0.145 0.150 – 0.170 0.175 – 0.190	720 – 960 720 – 995 720 – 970	1 025 1 030 1 030
TH620N	0.160 – 0.240 0.245 – 0.280	720 – 900 720 – 945	975 –
TH650N	0.200 – 0.300	720 - 950	–

Batch annealed (BA)	Thickness (BA) [mm]	Width [mm]	Exception
			Max. width
TS480	0.130 – 0.135 0.140 – 0.145 0.150 – 0.240	720 – 855 720 – 950 720 – 990	- - -
TS520	0.130 – 0.135 0.140 – 0.145 0.150 – 0.185 0.190 – 0.240	720 – 910 720 – 930 720 – 970 720 – 900	950 965 - -
TS550	0.130 – 0.135 0.140 – 0.165 0.170 – 0.195 0.200 – 0.240	720 – 930 720 – 990 720 – 952 720 – 920	985 - - -

N (E) – Nitrogenised („high elongation“)
B – Boron
M, D – Grades with controlled earing M - Medium D – Deep

Dimensions of sheets and coils

Reduction	Coil diameter [mm]		Weight [t]		Length of sheets [mm]
	inside	max. outside	coil	stack	
SR	420 or (500) [2]	1 700 1 800	6.0 - 13.0	0.5 - 2.7	500 - 1 180
DR					

Weight of tin coating

Tin layer [5]											
Equal E	0.6/0.6	1.0/1.0	1.4/1.4	1.8/1.8	2.0/2.0	2.8/2.8	4.0/4.0	5.0/5.0	5.6/5.6	7.5/7.5 [4]	8.4/8.4 [4]*
Differential [3] [5] D		1.0/2.0	5.0/2.8	4.0/2.8	1.4/2.8	4.0/2.0	5.6/2.8	5.6/4.0	8.4/2.8 [4]*	8.4/5.6 [4]*	2.8/11.2 [4]*

* available as K-plate (with increased layer of $FeSn_2$)

Limiting deviations of thickness

Standard	Deviation
EN 10334/05	± 8.5 %
EN 10202/22	± 5 %

Surface finish

Type	Roughness Ra [µm] SR	Roughness Ra [µm] DR
Fine Stone	0.25 - 0.45	0.25 - 0.45
Stone	0.35 - 0.60	0.35 - 0.60

Surface treatment

Treatment technique	Designation of surface treatment material	Weight of treatment [mg.m^{-2} / side]
passivation	311 (CDC Cathodic Sodium Dichromate)	3.5 - 9.0
	300 (SDCD Sodium Dichromate dip treatment)	1.0 - 3.0
	555 (CFPA Chromium Free Passivation Alternative with a conditioning step)	0.8 - 1.2
	505 (CFPA Chromium Free Passivation Alternative without a conditioning step)	0.8 - 1.2
oiled	DOS (Dioctyl Sebacate)	2.00 - 15.0

[1] on request in special minimum earing quality
M - medium, D - deep drawing
[2] subject to prior agreement
Other dimensions are subject to prior agreement

[3] marked bottom side of the strip for coils
[4] only for coils and sheets with width up to 988 mm
[5] other layers or combination are subject to prior agreement

Weight and packaging

Coils

Packed in LLDPE foil, seasonal packaging in full metal package.

Coils weight: 6t – 13t

Sheets

Bundles tied with strip metal band. Packed in LLDPE foil with protective angles, for seasonal and overseas packed in metal packaging.

Bundle weight: 0.5t – 2.7t

WHY U. S. STEEL KOŠICE?

Convinient location

Located in the heart of Europe. Close to customers, reliable delivery on time.

Short delivery time

Fast, efficient order processing from entry through to final shipment.

Flexibility & Quality

Full integration, unparalleled response time, consistent quality standards.

Rich portfolio

SR and DR grades across a wide range of thickness, width, and coating options.

In-house R&D

Research in Košice and the USA. High customisation capability.

Quality experts

Dedicated teams for sales, quality assurance, production, and CTS.

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U. S. Steel NIPPON STEEL

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