

NORTH AMERICAN FLAT ROLLED PRODUCTS



United States Steel Corporation
Making Steel • World Competitive • Building Value

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Hot Rolled Sheet Steel

Hot Rolled Sheet Steel is an unprocessed, mill edge coiled product and does not include any processing such as temper rolling, tension leveling, pickling, oiling or side trimming. Hot Rolled products are produced to ASTM Specifications A1011, A659, A635 or A1018. Product is sold on an actual weight basis and is typically ordered to a minimum thickness. Product is provided with an ID that can vary from 24" to 30" ID. All Extras are \$ per 100 lbs.

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Minimum Thickness		Nominal Thickness		Width Range					
Under	Thru	Under	Thru	24 - < 30	30 - < 36	36 - < 42	42 - < 48	48 - 72	Over 72
Thicker than	0.625		0.640	Inquire	Inquire	5.00	2.50	2.00	N/A
0.625	0.501	0.640	0.511	6.50	5.50	4.50	2.00	0.50	0.50
0.501	0.083	0.511	0.090	6.00	5.00	4.00	1.50	Base	0.50
0.083	0.071	0.090	0.077	7.00	6.00	5.00	2.50	1.50	N/A
0.071	0.061	0.077	0.067	8.00	7.00	6.00	3.50	3.00	N/A
0.061	0.054	0.067	0.060	9.00	8.00	7.00	4.50	4.00	N/A

Processing Extras

Specified ID	1.75
Temper Rolling.....	1.25
Pickling - mill edge.....	3.00
Tension Leveling	3.00
Recoil	1.75
Cut Edge - Not Pickled.....	2.50
Cut Edge - Pickled (in addition to Pickle extra).....	0.50

Quality and Grade/Chemistry Extras

Specified or Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS or CS Type B)	Base
Drawing Steel (DS Type B)	0.60
Extra Deep Drawing Steel (EDDS)	2.75
Boron - Minimum specified	1.10
Copper - Minimum specified <= 0.20%	1.50
Copper - Minimum specified > 0.20%	2.25
Copper - restricted to < 0.020%	Inquire

Carbon Grades (SAE):

1004 - 1009	Base
1010 - 1025	0.50
1026 - 1035	1.50
10B38	2.50
1036 - 1050	Inquire

Structural Steel A1011 (SS):

See Test note

SS 30, 33, 36, 40 & 45	0.50
Conversion to A36	0.50
SS Grade 50	1.25
SS Grade 55	1.50

High Strength Low Alloy Grades (HSLA):

See Test note	XK	XF
HSLA Grade <= 40	0.75	1.25
HSLA Grade 45	1.25	1.75
HSLA Grade 50	1.75	2.25
HSLA Grade 55	2.00	2.50
HSLA Grade 60	2.25	2.75
HSLA Grade 65	3.25	3.75
HSLA Grade 70	-	4.50
HSLA Grade 80	-	6.00
HSLA >=Grade 90	-	Inquire

Other:

Alloy Grades	Inquire
High Mn Carbon Steel grades thru SAE No. 1527	Inquire
Specified Hardness (Minimum, Maximum or Range)	0.75
Conversion to A414 Gr A-G (chemistry only)	1.50
ASTM A414 Gr A-G Certified (temper roll mandatory)	2.75
Inclusion Shape Control	0.50
AHSS - all grades	Inquire
JIS/JSA/EU specifications	Inquire
Hot Rolled Tack Plate	0.90

Test note: HSLA and SS grade extras include mechanical properties testing and certification.



Hot Rolled Sheet Steel (continued)

Surface Treatment & Finish Extras

Oil (Specified Type)	Inquire
Prelube (Type not specified)	0.60
Prelube (Specified Type)	Inquire
Edges Oiled and Sealed	0.10
Edges Oiled and Sealed (Specified Type).....	Inquire
Critical Surface	Inquire
Other.....	Inquire

Testing Extras

Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Standard Test Reports where requested (Heat test)	0.25
Standard Test Reports where requested (Coil test).....	0.50
Tensile with N Value	0.50
Additional Testing	Inquire

General Extras

PIW less than 750 (for Mon Valley orders, PIW <= 375)	0.50
Restrictive Thickness Tolerance	1.50
Order Quantity less than 40 Tons per order item	1.25
Restricted Mechanical Properties	Inquire
Slit Coil.....	Inquire



Cold Rolled Sheet Steel

Cold Rolled Sheet product is produced to ASTM Specifications A568, A606, A794 or A1008. Cold Rolled is sold on an actual weight basis and typically ordered to a minimum thickness. Product is provided on a 24"ID. All Extras are \$ per 100 lbs.

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Minimum Thickness		Nominal Thickness		Width Range					
Under	Thru	Under	Thru	24 - < 30	30 - < 36	36 - < 42	42 - < 48	48 - 72	Over 72
Thicker than	0.097		0.100	4.50	3.00	2.00	1.50	1.50	1.50
0.097	0.060	0.100	0.062	4.50	3.00	1.00	Base	Base	Base
0.060	0.028	0.062	0.029	4.50	3.00	1.50	Base	Base	Base
0.028	0.022	0.029	0.023	6.50	5.00	4.00	2.50	1.00	1.00
0.022	0.019	0.023	0.020	8.50	7.00	6.00	4.50	3.00	3.00
0.019	0.017	0.020	0.018	9.50	8.00	6.00	4.50	3.00	3.00
0.017	0.015	0.018	0.016	10.50	9.00	7.00	5.50	4.00	N/A
0.015	0.0142	0.016	0.015	10.50	9.00	8.50	7.00	5.00	N/A
0.0142		0.015		Inquire					

Processing and Thermal Treatment Extras

20" ID	1.75
Tension Leveling	3.00
Continuous Annealing (Specified or required)	1.00
Recoil	1.75
Special Cleanliness Requirement (Electrolytic Cleaning)	3.50
Other Processing	Inquire

Quality and Grade/Chemistry Extras

Specified or Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS Type B)	Base
Drawing Steel (DS Type B)	0.60
Deep Drawing Steel (DDS)	1.50
Extra Deep Drawing Steel (EDDS)	2.75

Carbon Grades (SAE):

1006 - 1009	Base
1010 - 1021	0.75

Structural Steel (SS):

<i>See Test note</i>	
< 50 ksi min yield	0.75

Bake Hardenable and Dent Resistant:

<i>See Test note</i>	
BH 180, 210	2.25
BH 250	2.50
BH 280	2.75
BH 340	Inquire

High Strength Low Alloy Grades (HSLA):

<i>See Test note</i>	XK	XF
HSLA Grade \leq 45	2.00	2.50
HSLA Grade 50	2.75	3.25
HSLA >Grade 50	Inquire	Inquire

Alloy Grades	Inquire
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Test note: HSLA, SS and BH grade extras include mechanical properties testing and certification.



Cold Rolled Sheet Steel (continued)

Other Quality and Grade/Chemistry Extras:

Specified Hardness (Rb 15pt. Range, up to and including 1/4 Hard)	0.75
Full Hard	Inquire
1/2 Hard 70-85 Rb	1.50
1/4 Hard 60-75 Rb	0.75
Cold Rolled Tack Plate	0.90
Restricted Chemistry	Inquire

Surface Treatment		Finish Extras		
		Ra Aim Range		
Oil (Type not specified)	Base	Rough Matte	55 to 90	Base
Oil (Specified Type)	Inquire	Regular Matte	30 to 60	Base
Dry (see Claims policy)	Inquire	Light Matte	35 to 45	Base
Prelube (Type not specified)	0.60	Ground Roll Bright	20 to 40	1.00
Prelube (Specified Type)	Inquire	Brushed Bright	15 max	1.00
Edges Oiled and Sealed	0.10	Commercial Bright	10 max	1.70
Edges Oiled and Sealed (Specified Type)	Inquire	Embossed (Patterned)		1.50
Other	Inquire	Exposed		Inquire

Testing Extras	
Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Hardness	0.25
Tensile per Heat	0.25
Tensile per Coil	0.50
Tensile with N Value	0.50
Tensile with R&N	0.75
Additional Testing	Inquire

General Extras	
PIW less than 400	1.25
Restrictive Thickness and/or Width Tolerance	Inquire
Order Quantity less than 40 Tons per order item	1.25
Inclusion Shape Control	0.50
Restricted Mechanical Properties	Inquire
Side Trimming (excludes freight)	3.00
Slit Coil	Inquire



Cold Rolled Sheet Steel (continued)

VITRENAMEL SHEET (USS VITRENAMEL 1, 2 AND 3)

The price base for USS Vitrenamel 2 Sheet steel is established for a DS carbon sheet in coil form. Unless specified below, Cold Rolled Sheet Extras will apply. Vitrenamel steels are produced to ASTM Specification A424.

Grade/Quality Extras:

Vitrenamel 2	Vitrenamel Sheet Base
Vitrenamel 1	\$1.00
FLEXNAMEL® (Vitrenamel 3 - EDDS quality)	\$2.75

Surface Treatment Extras:

Oil (no oil or oil type not specified)	Base
Oil (specified type)	Inquire

COLD ROLLED LAMINATION ELECTRICAL SHEET

USS Cold Rolled Lamination Electrical Sheet (ASTM A726) is produced to a nominal thickness and sold on an actual weight basis. The price base for Cold Rolled Lamination Electrical Sheet is for coiled product which is not side trimmed as a final operation. Unless specified below, Cold Rolled Sheet Extras will apply.

Width/Thickness (dimensions are in inches)

Nominal Thickness		Width Range
Under	Thru	42 - 47.25
0.062	0.029	Base
0.029	0.023	2.50
0.023	0.020	4.50
0.020	0.018	4.50
0.018		Inquire

Grade Extras

USS Type 1	CR Lamination Electrical Sheet Base
USS Type 2-S	2.00
USS Q-Core	2.50
USS Q-Core II	2.65
USS Q-Core II LC	2.95
USS Q-Core P21	3.85
USS Q-Core P19	5.00
USS Q-Core XL	Inquire

Note:

- Orders outside of listed width range must be Inquired
- Any combination of Grade and Width may be subject to a 600 Ton minimum item quantity for order acceptance and production



Hot Dipped Galvanized and Galvannealed

Hot Dipped Galvanized Sheet or Galvannealed Sheet product (produced to ASTM A653 and A924) is sold on an actual weight basis and typically ordered to a minimum thickness. The Base Price for Hot Dipped Galvanized Sheet ("G" designation coatings) is established for a CS Type B Sheet in coil form. Product is provided on a 24"ID. All Extras are \$ per 100 lbs

Galvannealed ("A" designation coatings)0.50

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Gary, Mon Valley, Fairless, Midwest 72, Great Lakes, and Pro-Tec

Minimum Thickness		Nominal Thickness		Width Range				
Under	Thru	Under	Thru	24 - < 30	30 - < 36	36 - < 40	40 - < 60	60 - 75
Thicker than	0.028		0.029	3.00	1.50	1.00	Base	Base
0.028	0.022	0.029	0.023	4.00	2.50	2.00	1.50	1.50
0.022	0.019	0.023	0.020	6.50	5.00	4.50	4.00	4.00
0.019		0.020		Inquire				

Fairfield (incl Double G), Granite City, and Midwest 3CGL

Minimum Thickness		Nominal Thickness		Width Range		
Under	Thru	Under	Thru	24 - < 30	30 - < 40	40 - 49
Thicker than	0.028		0.029	Inquire.....		
0.028	0.022	0.029	0.023	2.50	2.00	1.50
0.022	0.019	0.023	0.020	5.50	2.25	2.00
0.019	0.017	0.020	0.018	7.00	3.00	2.75
0.017	0.015	0.018	0.016	8.50	3.75	3.50
0.015	0.0142	0.016	0.015	9.50	4.25	4.00

Processing Extras

20" ID1.75
Tension Leveling3.00
Recoil1.75

Quality and Grade/Chemistry Extras

Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS) Base
Forming Steel (FS) 0.60
Deep Drawing Steel (DDS) 1.50
Extra Deep Drawing Steel (EDDS) 2.75

High Strength Low Alloy Grades (HSLA):

See Test note XK XF
HSLA Grade 40 3.40 3.90
HSLA Grade 50 3.90 4.40
HSLA >Grade 50 4.40 4.90

Carbon Grades (SAE):

1006 - 1009 Base
1010 - 1021 0.75

Bake Hardenable and Dent Resistant:

See Test note
BH 180, 210 2.25
BH 250 2.50
BH 280 2.75
BH 340 Inquire

Structural Steel (SS):

See Test note
Grades 33, 37, 40, 50, 55 0.75
Grade 80 0.50

Test note: HSLA, SS and BH grade extras include mechanical properties testing and certification.



Hot Dipped Galvanized and Galvannealed (continued)

Other:

Specified Hardness (Minimum, Maximum or Range)	0.75
AHSS and UHSS	Inquire
Restricted Chemistry	Inquire
Culvert Applications (ASTM A929/AASHTO Spec M218)	0.75
Applicable Coating Weight Extra is G210 column in table below.	
GALAVAN®	Inquire

Coating Weight

Extras for the coating weights listed apply to either zinc or zinc-iron (Galvannealed) type coatings. Coating categories other than those specified, including differential coatings, are subject to inquiry for availability; however, the Extra for the next higher coating category will apply.

ASTM A653 Designation	Ordered Coating Category								
	G30/G40	G60	G90	G100	G165	G210			
Ounces per Square Foot (total both sides)	0.30/0.40	0.60	0.90	1.00	1.65	2.10			
Minimum Thickness		Nominal Thickness		Extras to be assessed:					
Under	Thru	Under	Thru						
Thicker than	0.130		0.134	\$0.85	\$1.25	\$1.70	\$1.85	\$3.05	\$3.90
	0.130	0.085	0.134	\$1.40	\$1.70	\$2.30	\$2.60	\$4.05	\$5.20
	0.085	0.060	0.087	\$1.70	\$2.30	\$3.45	\$3.75	\$5.85	\$7.55
	0.060	0.044	0.062	\$2.30	\$3.15	\$4.65	\$4.95	\$7.90	\$10.25
	0.044	0.036	0.046	\$2.60	\$3.80	\$5.60	\$6.15	\$9.75	\$12.45
	0.036	0.032	0.037	\$3.00	\$4.35	\$6.35	\$6.90	\$11.05	\$14.10
	0.032	0.028	0.033	\$3.25	\$4.50	\$6.60	\$7.25	\$11.50	\$14.80
	0.028	0.025	0.029	\$3.55	\$5.10	\$7.25	\$8.15	\$13.05	\$16.55
	0.025	0.022	0.026	\$3.90	\$5.70	\$8.15	\$9.05	\$14.60	\$18.60
	0.022	0.020	0.023	\$4.70	\$6.55	\$9.85	\$11.00	\$17.65	\$22.45
	0.020	0.018	0.021	\$5.00	\$7.25	\$10.90	\$12.00	\$19.80	\$25.20
	0.018	0.016	0.019	\$5.35	\$8.05	\$11.70	\$13.15	\$21.60	\$27.50
	0.016	0.015	0.017	\$5.80	\$8.35	\$12.50	\$14.25	\$24.45	\$31.15
	0.015	0.014	0.016	\$6.75	\$9.75	\$14.25	\$16.00	\$26.40	\$33.60
	0.014		0.015	Inquire					

Specified to other than ASTM A653 Designation	Ordered Coating Category								
	Grams per Square Meter								
(Minimum per side)	Thru		40/40	45/45	50/50	55/55	60/60	70/70	
Minimum Thickness		Nominal Thickness		Extras to be assessed:					
Under	Thru	Under	Thru						
Thicker than	0.130		0.134	\$2.20	\$2.30	\$2.35	\$2.40	\$2.40	\$2.70
	0.130	0.085	0.134	\$2.40	\$2.45	\$2.55	\$2.70	\$2.90	\$3.15
	0.085	0.060	0.087	\$2.90	\$3.00	\$3.15	\$3.25	\$3.35	\$3.80
	0.060	0.044	0.062	\$3.20	\$3.40	\$3.65	\$3.85	\$4.00	\$4.60
	0.044	0.036	0.046	\$3.65	\$3.90	\$4.10	\$4.40	\$4.65	\$5.35
	0.036	0.032	0.037	\$4.00	\$4.30	\$4.60	\$4.90	\$5.25	\$6.00
	0.032	0.028	0.033	\$4.45	\$4.80	\$5.10	\$5.40	\$5.75	\$6.55
	0.028	0.025	0.029	\$4.80	\$5.15	\$5.45	\$5.85	\$6.20	\$7.30
	0.025	0.022	0.026	\$5.10	\$5.55	\$6.00	\$6.45	\$6.90	\$7.90
	0.022	0.020	0.023	\$5.60	\$6.05	\$6.50	\$6.95	\$7.45	\$8.70
	0.020	0.018	0.021	\$5.90	\$6.45	\$7.00	\$7.55	\$8.10	\$9.40
	0.018	0.016	0.019	\$6.35	\$7.05	\$7.70	\$8.30	\$8.85	\$10.35
	0.016	0.015	0.017	\$6.80	\$7.55	\$8.25	\$8.90	\$9.55	\$11.10
	0.015	0.0142	0.016	\$7.15	\$7.85	\$8.55	\$9.30	\$10.00	\$11.75
	0.0142		0.015	Inquire					



Hot Dipped Galvanized and Galvannealed (continued)

Surface Treatment		Finish Extras	
Oil	Base	Regular or Minimum Spangle	Base
Standard Passivation Treatment (Chemical Treatment)	Base	Extra Smooth (Temper Rolled)	0.50
Chemical Treated (RoHS compliant)	Inquire	Exposed	Inquire
Chemical Treat Dry - GA	Inquire	Minimum Zeta	1.00
Non-Chem Treat Dry	Inquire	USS ACRYZINC® Sheet:	
Prelube (Type not specified)	0.60	Thickness (Minimum) - 0.030 & Thicker	0.60
Prelube (Specified Type)	Inquire	0.022 thru 0.0299	0.75
Phosphatized	1.00	0.018 thru 0.0219	1.00
Phosphate Coated - GA	1.00	0.015 thru 0.0179	1.20
Edges Oiled and Sealed	0.10	0.0142 thru 0.0149	1.40
Edges Oiled and Sealed (Specified Type)	Inquire	USS ACRYZINC®-L Sheet:	
Other	Inquire	Thickness (Minimum) - 0.020 & Thicker	1.50
		Under 0.020	2.00

Testing Extras	
Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Hardness	0.25
Tensile per Heat	0.25
Tensile per Coil	0.50
Tensile with N Value	0.50
Tensile with R&N	0.75
UL Certification	0.40
Additional Testing	Inquire

General Extras	
PIW less than 400	1.25
Restrictive Thickness and/or Width Tolerance	Inquire
Order Quantity less than 40 Tons per order item	1.25
Inclusion Shape Control	0.50
Restricted Mechanical Properties	Inquire
Side Trimming (excludes freight)	3.00
Slit Coil	Inquire



GALVALUME® Sheet

GALVALUME® Sheet (produced to ASTM A792) is sold on an actual weight basis and typically ordered to a minimum thickness. The Base Price for GALVALUME® is established for a CS Type B Sheet in coil form. Product is provided on a 20"ID. All Extras are \$ per 100 lbs

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Minimum Thickness		Nominal Thickness		Width Range		
Under	Thru	Under	Thru	24 - < 30	30 - < 40	40 - < 50
Thicker than	0.028		0.029	1.50	1.50	Base
0.028	0.022	0.029	0.023	2.50	2.00	1.50
0.022	0.019	0.023	0.020	5.50	2.25	2.00
0.019	0.017	0.020	0.018	7.00	3.00	2.75
0.017	0.015	0.018	0.016	8.50	3.75	3.50
0.015	0.0142	0.016	0.015	9.50	4.25	4.00

Coating Weight

The following table of extras applies when product is ordered to the standard ASTM A792 coating designation.

ASTM A792 Designation	Ordered Coating Category		
Ounces/Square Foot (total both sides)	AZ50	AZ55	AZ60
Triple Spot Minimum	0.50	0.55	0.60

Minimum Thickness		Nominal Thickness		Extras to be Assessed:		
Under	Thru	Under	Thru			
0.040	0.036	0.042	0.037	\$3.85	\$4.25	\$4.65
0.036	0.032	0.037	0.033	\$4.35	\$4.75	\$5.20
0.032	0.028	0.033	0.029	\$4.90	\$5.40	\$5.90
0.028	0.025	0.029	0.026	\$5.55	\$6.10	\$6.65
0.025	0.022	0.026	0.023	\$6.25	\$6.90	\$7.50
0.022	0.020	0.023	0.021	\$7.00	\$7.70	\$8.40
0.020	0.018	0.021	0.019	\$7.75	\$8.50	\$9.30
0.018	0.016	0.019	0.017	\$8.65	\$9.50	\$10.40
0.016	0.015	0.017	0.016	\$9.50	\$10.45	\$11.40
0.015	0.0142	0.016	0.015	\$10.05	\$11.10	\$12.10
0.0142		0.015		Inquire		

Processing Extras

Tension Leveling	3.00
Recoil	1.75

Quality and Grade/Chemistry Extras

Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS Type B)	Base
Forming Steel (FS)	0.60
Drawing Steel (DS)	1.25
High Temperature Steel (HTS)	0.75

Structural Steel (SS):

<i>See Test note</i>	
Grades 33, 37, 40, 50, 55	0.75
Grade 80	0.50

Other:

Specified Hardness	0.75
(Minimum, Maximum or Range)	

Test note: SS grade extras include mechanical properties testing and certification.



GALVALUME® Sheet (continued)

Treatment and Finish Extras

Surface Treatment		Finish Extras		
Oil (Type not specified)	Base	Extra Smooth (Temper Rolled)		0.50
Oil (Specified Type)	Inquire	USS ACRYLUME® Sheet:		
Standard Passivation Treatment		Thickness (Minimum) - 0.030 & Thicker		0.60
(Chemical Treatment)	Base	0.022 thru 0.0299		0.75
Chemical Treated (RoHS compliant)	Inquire	0.018 thru 0.0219		1.00
Edges Oiled and Sealed	0.10	0.015 thru 0.0179		1.20
Edges Oiled and Sealed (Specified Type)	Inquire	0.0142 thru 0.0149		1.40

Testing Extras

Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Tensile per Heat	0.25
Tensile per Coil	0.50
UL Certification	0.40
Additional Testing	Inquire

General Extras

PIW less than 400	Inquire
Restrictive Thickness and/or Width Tolerance	Inquire
Order Quantity less than 40 Tons per order item	1.25
Slit Coil	Inquire



55% Aluminum-Zinc Alloy Coated Sheet

55% Aluminum-Zinc Alloy Coated Sheet (produced to ASTM A792) is sold on an actual weight basis and typically ordered to a minimum thickness. The Base Price for 55% Aluminum-Zinc Alloy Coated is established for a CS Type B Sheet in coil form. Product is provided on a 20"ID. All Extras are \$ per 100 lbs

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Minimum Thickness		Nominal Thickness		Width Range		
Under	Thru	Under	Thru	24 - < 30	30 - < 40	40 - < 50
Thicker than	0.028		0.029	1.50	1.50	Base
0.028	0.022	0.029	0.023	2.50	2.00	1.50
0.022	0.019	0.023	0.020	5.50	2.25	2.00
0.019	0.017	0.020	0.018	7.00	3.00	2.75
0.017	0.015	0.018	0.016	8.50	3.75	3.50
0.015	0.0142	0.016	0.015	9.50	4.25	4.00

Coating Weight

The following table of extras applies when product is ordered to the standard ASTM A792 coating designation.

ASTM A792 Designation	Ordered Coating Category		
Ounces/Square Foot (total both sides)	AZ50	AZ55	AZ60
Triple Spot Minimum	0.50	0.55	0.60

Minimum Thickness		Nominal Thickness		Extras to be Assessed:		
Under	Thru	Under	Thru			
0.040	0.036	0.042	0.037	\$3.85	\$4.25	\$4.65
0.036	0.032	0.037	0.033	\$4.35	\$4.75	\$5.20
0.032	0.028	0.033	0.029	\$4.90	\$5.40	\$5.90
0.028	0.025	0.029	0.026	\$5.55	\$6.10	\$6.65
0.025	0.022	0.026	0.023	\$6.25	\$6.90	\$7.50
0.022	0.020	0.023	0.021	\$7.00	\$7.70	\$8.40
0.020	0.018	0.021	0.019	\$7.75	\$8.50	\$9.30
0.018	0.016	0.019	0.017	\$8.65	\$9.50	\$10.40
0.016	0.015	0.017	0.016	\$9.50	\$10.45	\$11.40
0.015	0.0142	0.016	0.015	\$10.05	\$11.10	\$12.10
0.0142		0.015		Inquire		

Processing Extras

Tension Leveling	3.00
Recoil	1.75

Quality and Grade/Chemistry Extras

Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS Type B)	Base
Forming Steel (FS)	0.60
Drawing Steel (DS)	1.25
High Temperature Steel (HTS)	0.75

Structural Steel (SS):

See Test note	
Grades 33, 37, 40, 50, 55	0.75
Grade 80	0.50

Other:

Specified Hardness	0.75
(Minimum, Maximum or Range)	

Test note: SS grade extras include mechanical properties testing and certification.



55% Aluminum-Zinc Alloy Coated Sheet (continued)

Treatment and Finish Extras

Surface Treatment		Finish Extras	
Oil (Type not specified)	Base	Extra Smooth (Temper Rolled)	0.50
Oil (Specified Type)	Inquire		
Standard Passivation Treatment (Chemical Treatment)	Base		
Chemical Treated (RoHS compliant)	Inquire		
Edges Oiled and Sealed	0.10		
Edges Oiled and Sealed (Specified Type)	Inquire		

Testing Extras

Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Tensile per Heat	0.25
Tensile per Coil	0.50
UL Certification	0.40
Additional Testing	Inquire

General Extras

PIW less than 400	Inquire
Restrictive Thickness and/or Width Tolerance	Inquire
Order Quantity less than 40 Tons per order item	1.25
Slit Coil	Inquire



Electrolytic Zinc and Zinc-Iron Alloy Coated Sheet

Electrolytic Zinc and Zinc-Iron Alloy Coated Sheet product (produced to ASTM A568, A879 and A917) is sold on an actual weight basis and typically ordered to a minimum thickness. The Base Price for Electrolytic Zinc and Zinc-Iron Alloy Coated Sheet is established for a CS Type B Sheet in coil form. Product is provided on a 24"ID. All Extras are \$ per 100 lbs

Coating Type: ZincBase
Coating Type: Zinc-Iron AlloyInquire

Width/Thickness (dimensions are in inches) Not all width/thickness combinations are available at each producing location

Minimum Thickness		Nominal Thickness		Width Range			
Under	Thru	Under	Thru	< 42	42 - < 48	48 - < 64	64 and Over
0.063	0.026	0.081	0.027	3.50	1.00	Base	Base
0.026	0.022	0.027	0.023	5.00	4.00	3.00	2.50

Coating Weight

Specified to ASTM A879 Coating Designation, extras for the coating categories listed apply to zinc type coatings and apply to the total coating weight of BOTH SIDES of the sheet. Inquire for the Zinc-Iron coating weight table. Coating categories other than those specified, including differential coatings, are subject to inquiry for availability; however, the Extra for the next higher coating category will apply.

Ordered Coating Category

Grams per Square Meter	Thru				
(Minimum per side)	50/50	60/60	70/70	90/90	98/98

Minimum Thickness		Nominal Thickness		Extras to be assessed:				
Under	Thru	Under	Thru					
0.063	0.060	0.065	0.062	\$3.60	\$4.30	\$5.20	\$6.80	\$7.40
0.060	0.044	0.062	0.046	\$4.10	\$4.80	\$5.50	\$7.10	\$8.10
0.044	0.036	0.046	0.037	\$4.80	\$5.50	\$6.40	\$8.10	\$8.80
0.036	0.032	0.037	0.033	\$5.50	\$6.40	\$7.10	\$8.80	\$9.50
0.032	0.028	0.033	0.029	\$6.40	\$7.10	\$8.10	\$9.50	\$10.50
0.028	0.025	0.029	0.026	\$7.10	\$8.10	\$8.80	\$10.50	\$11.20
0.025	0.023	0.026	0.024	\$8.10	\$8.80	\$9.50	\$11.20	\$11.90

Processing Extras

20" ID1.75
Tension Leveling3.00
Recoil1.75

Quality and Grade/Chemistry Extras

Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.

Steel Designation:

Commercial Steel (CS Type B) Base
Drawing Steel (DS Type B) 0.60
Deep Drawing Steel (DDS) 1.50
Extra Deep Drawing Steel (EDDS) 2.75

Bake Hardenable and Dent Resistant:

BH 180, 210 2.25
BH 250 2.50
BH 280 2.75
BH 340 Inquire

Carbon Grades (SAE):

1006 - 1009 Base
1010 - 1021 0.75

Other:

High Strength Steels Inquire
Specified Hardness (Minimum, Maximum or Range) 0.75
Restricted Chemistry Inquire
Exposed Surface Quality Inquire



Electrolytic Zinc and Zinc-Iron Alloy Coated Sheet (continued)

Surface Treatment

Oil (type not specified).....	Base
Oil (Specified Type incl Prelube)	0.60
Prelube (Type not specified)	0.60
Prelube (Specified Type)	Inquire
Edges Oiled and Sealed	0.10
Edges Oiled and Sealed (Specified Type).....	Inquire

Testing Extras

Certified Chemistry (Heat analysis - one ladle test per heat)	Base
Hardness.....	0.25
Tensile per Heat.....	0.25
Tensile per Coil	0.50
Tensile with N Value	0.50
Tensile with R&N.....	0.75
UL Certification.....	0.40
Additional Testing	Inquire

General Extras

PIW less than 400	1.25
Restrictive Thickness and/or Width Tolerance.....	Inquire
Order Quantity less than 40 Tons per order item	1.25
Inclusion Shape Control.....	0.50
Restricted Mechanical Properties	Inquire
Side Trimming (excludes freight)	3.00
Slit Coil.....	Inquire



General Pricing Extras & Notes

1. Ordered max coil weights must match ordered quantities and must be compatible with the mode of transportation.
2. Coil weight guidelines: A full weight coil, with or without welds, is any coil weighing more than 75% of the specified or required maximum coil weight. Orders will not be accepted for a minimum coil weight or exact weight coils.

Light weight coils accruing from production will be shipped up to 20% of the ordered item weight. A light weight coil is any coil between 50% and 75% of the specified or required maximum coil weight.
3. Not all thickness/width/grade combinations are available at each producing location.
4. USS will not guarantee specific producing mill requests.
5. Order obligation is not recognized until mill acceptance.
6. Order quantities less than 40 tons per item (one size, grade, destination and delivery date) will be assessed an extra of \$1.25.
7. Permissible variation from the ordered quantity is:

120,000 lbs and over	5% over and 5% under
Under 120,000 lbs to 80,000 lbs	10% over and 5% under
Under 80,000 lbs to 25,000 lbs	15% over and 10% under
8. Some grades will be subject to heat lot or tundish lot quantities which could vary by producing location. Heat lot grades require a 600 ton minimum quantity.
9. Non-standard packaging requirements will be inquired and subsequent extras will apply.
10. An order quantity or delivery date cannot be changed if the date of requested change is within the above standard lead times. Items requiring Outside Processing will extend these lead times.
11. All available finished inventory that is not released for delivery will automatically be billed and/or shipped to the customer based on order promise.
12. Unless otherwise ordered by the customer, all product is made to USS Standard tolerances.
13. When the reporting of test data is for specification compliance, standard test reports include mechanical tests, bend tests, hardness tests and coating weight tests.
14. All sales are subject to USS approval and all price quotations, request for quotations, proposals, offers and resulting contracts in whatever form (including those resulting from purchase orders, order confirmations, production/shipping releases or otherwise) relative to U. S. Steel products shall be subject exclusively to the USS Standard Terms and Conditions of Sale found at: www.ussteel.com/corp/customer/uss_std_tc_of_sale.pdf. Buyer's placement of an order or release for, or taking delivery of, any U. S. Steel product which is the subject of any such document constitutes your acceptance of same. If you need assistance accessing the USS Standard Terms and Conditions of Sale, please contact your assigned U. S. Steel Sales Manager or Customer Service Representative.



Processed Products

Processed Products extras apply for the physical processing of the order only. All freight and handling charges incurred are over and above the quoted extra. All Extras are \$ per 100 lbs.

Cut-to-Length Sheets

Cut-to-length sheets are produced on a shearing or slaying line. Cut-to-length sheets are invoiced on a per per piece basis or on an actual weight basis.

Cut-to-Length Sheets	Inquire
Cut-to-Length Sheets Administration	1.00

To handle cut-to-length orders on a single bill basis, mills incur additional costs over and above the processing fee charged by the outside processor. These costs include, but are not limited to: tool verification, qualification/trial expense, technical support, administration, added inventory holding costs, and risk. In addition, the requirement to utilize selected processing locations may bear additional administrative expense.

To offset any or all of these additional costs and risks, a cut-to-length administration extra is applied to all cut-to-length single bill orders.

Die-cut Blanks

Die-cut blanks are produced on a press blanker instead of a shearing line. Die-cut blanks include circular, regular shaped and irregular shaped steel sheets cut by a die in a blanking press to a customer's unique part specification.

Die-cut Blanks.....	Inquire
Die-cut Blanks Administration	1.00

To handle die-cut orders on a single bill basis, mills incur additional costs over and above the processing fee charged by the outside processor. These costs include, but are not limited to: tool verification, qualification/trial expense, technical support, administration, added inventory holding costs, and risk. In addition, the requirement to utilize selected processing locations may bear additional administrative expense.

To offset any or all of these additional costs and risks, a die-cut administration extra is applied to all die-cut single bill orders.

Prepainted Sheet

Due to the wide variety of coatings, USS Prepainted Sheet is priced on an individual inquiry basis. Prices are established on the basis of an actual weight prepainted sheet coil and exclude freight.

USS Prepainted Sheet is produced to an ordered decimal thickness of the substrate. The paint thickness is not included. USS Prepainted Sheet is invoiced on a total actual weight basis including the weight of the paint.

Item Quantity

In addition to the published mill master coil quantity extras, the paint quantity extras as quoted by the coil coater for the specific paint system will apply to the ordered line item quantity or any subsequent release quantity for painting that may differ from the ordered quantity.

Minimum order item or release quantity for painting40,000 lbs.



Processed Products (continued)

Prepaint Administration

Orders are accepted on a single bill basis have additional costs inherent in the painting process. These costs vary based upon the type of product being painted and include, but are not limited to, in-process yield loss, system qualification costs, technical support, warranty administration, and product administration.

Administration Category A	3.00
Administration Category B	2.75
Administration Category C	2.50

Product Categories

Prepainted products have been divided into three categories. Each category has requirements that affect the cost of producing that product at a toll coater. Listed below is a description of the three categories and a listing of end uses included in that category. Prepainted items not listed will be assigned to a category by U. S. Steel and the toll coater. All category assignments will be made at the time of inquiry.

Category A:

Products requiring a very demanding high gloss show room finish without minor surface imperfections are included in this category. These products also require a durable finish that can be utilized in an exposed residential setting. Products that require multiple processes through a paint line with critical visual requirements would also be included in this category. Examples:

Appliance Cases	Range Doors
Appliance Doors	Range Side Panels
Auto Body Skins	Finished Coat - Both Sides
Laundry Cabinets	Laminates
Laundry Tops	Two & Three Color Prints

Category B:

Prepainted Products that are intended for institutional, residential, or commercial exterior applications and non-critical residential interior applications are included in this category. These products require a high level of paint quality with a medium to high gloss paint system exhibiting good durability. Products that require special paint attributes, i.e., gloss, reflectivity, with limited visual inspection and products with high paint film thickness are assigned to this category. Examples:

Architectural Exterior Panels	Office Partitions
Drapery Hardware	Office Shelving
Exposed Furniture Panels	Refrigerator Evaporator Covers
Filing Cabinets	Residential Exterior Doors
Lighting Fixtures	Van & Trailer Sides
Lockers	Plastisol Coatings

Category C:

Products in this category are intended for end uses where the characteristics of the paint system, such as weatherability, ultraviolet light protection, impact resistance and long term corrosion protection are of primary importance. Customer specifications normally require a low to medium gloss finish that will be used in a residential application or an industrial setting where durability is the significant factor. Prepainted unexposed products, products requiring a limited visual inspection and products not requiring special paint finish properties can also be included in this category.



Processed Products (continued)

Category C (continued):

Examples:

- | | |
|----------------------------------|----------------------|
| Agricultural Building Components | Gutters |
| Air Conditioner Wrappers | Purlins |
| Appliance Back Panels | Retail Shelving |
| Auto Under Hoods | Roofing |
| Ballast Boxes | Siding |
| Building Panels | Walk-in Coolers |
| Down Spouts | Water Heater Jackets |
| Drawer Dividers | |
| Fascia | Core Plate |
| Functional Containers | Pre-Lube |
| Furnace Jackets | Pre-Primed |
| Garage Doors | Zinc Rich Primers |
| Gas Tanks | Flash Coating |

Patterned Steel:

Because of the variety of prepainted coined and prepainted post embossed products, pricing will be handled on an individual inquiry basis.

USS Galavan:

USS Galavan is a light gage, economical strong prepainted material for side panels and door facings of van trailers and van-type truck bodies. It competes favorably against aluminum and fiberglass-reinforced plywood. The base steel is Galvanized sheet, carbon, USS Galavan ASTM A653, Grade 80 structural steel, minimum spangle, G90, with no chemical treatment, lightly oiled, and tension leveled. It has a minimum yield strength of 80 ksi and a minimum tensile strength of 82 ksi.

The substrate is then painted on both surfaces with a two-coat paint system consisting of a corrosion-inhibiting epoxy primer base coat on both surfaces and a 0.8 mil high gloss thermoset top coat paint film on the prime surface and a 0.3 mil backer paint film on the reverse side. The USS Galavan advertisement brochure (ADUSS 87-7135) details Galavan's benefits of cost savings, strength and aesthetics.

Inventory Storage Program

Customer requirements for specific inventory to be held in storage inside or outside the producing mill incurs additional storage, freight, carrying costs, handling, and administrative costs. Specific customer inventory or storage is an extra applied to the specific product base price. Programs will only be established subject to mutually agreed-to terms and conditions.

Billing Basis:

Specific customer inventory or storage program for sheet steel products, except blanks, are billed on an actual weight basis. Customer shipments are invoiced on the actual weight displayed on the Bill of Lading from the mill, processor, or warehouse to the customer. All prices listed are FCA [USS Facility, processor or warehouse, if applicable] (Incoterms 2010) from which the material is ultimately shipped to the customer.

The inventory program extra shown below is exclusive of all freight from the mill to processor(s) and/or warehouse(s) where applicable. All freight from the mill to processor(s) and/or warehouse(s) will be in addition to the extra shown below.

Customer Inventory or Storage Program0.45 (STOR)



U. S. Steel Claims Policy

Introduction:

This general claims policy covers sheet products that are manufactured by U. S. Steel and supplied to our sheet customers. The purpose of this claims policy is to outline some of the significant points of the claim policy; it is not intended to cover all situations that may arise in the settlement of claims and complaints.

Pursuant with the settlement of claims and/or complaints, U. S. Steel expects a reasonable period of time to investigate each claim on an individual basis and render a decision based on the investigation results for the claimed material in question.

Tolerances and requirements for dimensions, flatness, camber, coating weight, formability, chemistry and surface will be consistent with our customer's specification and /or an applicable society standard (ASTM, CSI, AISI, etc). Such tolerances and requirements shall be accepted and documented in advance by U. S. Steel and is part of the total product quality matrix.

U. S. Steel reserves the right to modify or supersede this general policy at anytime to reflect changes mandated by policy revisions.

Claim Handling:

U. S. Steel is committed to being a major supplier of quality steel sheet products that are produced in accordance with agreed upon customer standards and specifications. Our commitment to being a supplier of quality sheet products includes our efforts to provide our customer, with sufficient information about our products so that, working together with our customers we can determine the best steel for our customer's applications. Our dedication to satisfy our customers is reflected in two key concepts "Fitness For Use" and Partnerships For Performance.

If material furnished by U. S. Steel does not meet order requirements, a claim should be submitted to the appropriate U. S. Steel representative. Each individual claim will be investigated and evaluated based on its technical merit in meeting agreed upon customer standards and specifications. To facilitate the handling of claims, U. S. Steel requires that our customers enter the claim with appropriate information (claim reason, inspection reports, USS tracking identity, quantity and location of defective material). Steel determined to be unusable because of mill related responsibility should be set aside for review by appropriate U. S. Steel representative. During the investigation phase, U. S. Steel reserves the right to visit to obtain samples, inspect claimed material and/or obtain digital photos or videos. The customer should make the material in question available for these purposes.

Upon completion of our investigation, U. S. Steel will render a decision on the material in question and will provide a document defining U. S. Steel's position on the claim to the appropriate customer representative.

Unauthorized deductions by our customers before a claim is dispositioned or settled may result in consequences that include, but not limited to, shipping and/or credit holds, loss of discount privileges and/or denial of the claim.

Fitness For Use:

Fitness For Use is a concept developed to meet our customers' expectations regarding sheet products ordered for a specific intended end use application. U. S. Steel Sheet Products are produced to meet our customer's specified product quality requirements for the intended application within the framework of the Fitness For Use Concept described below; Fitness For Use is not intended to mean freedom of imperfections, but reflects instead a cooperative approach to problem solving in the context of steel product specifications, production and application. Under this concept, the mutual objective of U.S. Steel and our customers is "Will The Product Satisfactorily Make The Part?" It will be the responsibility of Our Customer Technical Service Representative to judge when Fitness For Use has not been achieved and his judgment will be made in the context of the Partnerships For Performance.



U. S. Steel Claims Policy (continued)

Partnerships For Performance:

U. S. Steel is committed to a Partnership For Performance standard with our customers. It is our intention and obligation to assure that the processes we use for manufacture and the products we sell meet our customer's specified needs and expectations. Inherent in this partnership commitment is the expectation that our customers will have the same commitment relative to clearly specifying product quality requirements in individual orders and their use of the material that we provide consistent therewith. The essence of this concept is to focus our respective expertise in mutually beneficial corporative efforts to minimize steel conversion costs. Our service approach will be to treat the steel we provide and the customer's conversion process as a single integrated system where the primary role of problem solving will be to quickly identify root causes and to implement cost-effective corrective actions. It is within this framework that the Fitness For Use concept will be applied.

General Coil Quality:

Our customers can expect 98% satisfactory product in coil shipment of Carbon Sheet Products and 97% satisfactory product in coil shipment of High Strength Sheet shipments. If, because of coil ends or mill related imperfections, these standards are not met, a claim will be honored. The claim will only be for the value of the material losses exceeding these standards and must be reviewed by appropriate U. S. Steel personnel.

When an individual coil or slit mult contains an apparent high frequency of mill imperfections, it should be set aside only after a minimum of 10% of the coil has been processed. If multiple coils (2 to 3 coils depending on the condition) from the same mill lot or shipment (based on sequential tracking identity) show the same mill responsible imperfection and are being rejected, processing additional coils should be "stopped" pending discussions with appropriate U. S. Steel personnel for further instructions.

Hot Rolled unprocessed bands by definition are shipped without further processing. Claims will not be accepted for the outside wrap area and also 15 ft in the eye. Hot Rolled unprocessed bands are also susceptible to coil/cross breaks when decoiling. U. S. Steel will not accept claims for coil or cross breaks on unprocessed hot rolled bands. Orders must be entered as temper rolled to avoid coil or cross breaks. Hot Rolled unprocessed bands will not consistently satisfy surface quality required for critical exposed painted applications. Order entry and acceptance of the term "exposed" on customer orders will only serve as general information to describe the final part and/ or end use and will not warrant delivery of improved surface quality. Hot Rolled applications requiring "surface critical" for painted applications must be identified as such and entered as pickled, and potentially temper rolled product. Orders for Hot Rolled unprocessed bands will not be accepted as "surface critical". If there is any question regarding the suitability of a particular U. S. Steel hot rolled product for a specific end use, please consult your local U. S. Steel Customer Technical Service Representative.

Unprocessed Full Hard Cold Rolled by definition is shipped directly off the cold reduction mill with residual cold mill oil on the strip surface will include off gage coil ends unless further processing is stipulated by the customer. Unprocessed CR Full Hard is not subject to the usable product standards established for other U. S. Steel Sheet Mill Products.

Shape Standards for some Hot Roll Unprocessed product (combinations of gauge, width and strength) and Unprocessed Full Hard Cold Rolled which are not covered by society specifications will be subject to agreement between the customer and appropriate U. S. Steel Personnel.

Surface Quality of sheet products shall be suitable to provide the specified appearance and finish that is required for the specific end use consistent with the specifications for the steel ordered. Such products shall be paintable using accepted industry standard practices and appropriate paint systems. Critical surface applications are generally supplied with one exposed side. Typical U. S. Steel supplies this as the top surface. Any consideration for two sided exposed must be agreed upon at the time of order entry. The customer should advise U. S. Steel at the time of placing an order the surface orientation of the exposed surface, otherwise U. S. Steel will consider the exposed surface as the top surface (out) as decoiling.

Formability will be provided consistent with the quality designator as specified in the customer order.



U. S. Steel Claims Policy (continued)

Consequential Costs:

Claim resolution for mill responsible claims will be limited to the replacement, repair or refund of a portion of the purchase price at Seller's (USS) Option. U. S. Steel shall not be liable for any losses, damages or expense, direct, incidental or consequential, caused by or resulting from the use of defective or nonconforming goods. U. S. Steel will not honor any incidental claim charges such as sorting, sampling, storage, freight, additional processing costs, administrative, or replacement cost unless pre-approved and authorized by an appropriate U. S. Steel representative prior to incurring the expense.

Weight Policy:

Any billed weight within 1% of the customer's scale weight, whether under or over, will not be subject to claim or credit. Individual coils with significant weight differences of 5% or greater from the billed weight should be held for separate investigation by appropriate U. S. Steel Personnel. Systemic variations in coil weight discrepancies between customer scale weight and billed weight must be evaluated by monthly periods and must take into account all of the coils received, both overweight and underweight. Customer credit (under shipment) or debit (over shipment) will be issued if the entire population has a sum total showing differences greater than 1% for the month.

Time Limitation for Claims:

U. S. Steel will not accept claims after 12 months from the delivery date for any sheet products except sheet products that are specifically covered by a U. S. Steel limited warranty (i.e. Galvalume®, Acrylume®, etc).

Rust and Stain:

U. S. Steel reserves the right to investigate all rust and stain claims to determine the "root cause".

U. S. Steel will not accept rust and/or stain claims under the following conditions:

- Claims for transit rust or stain related to improper storage or handling in a customer's facility.
- Claims on material in which the customer requests packaging that does not meet U. S. Steel's minimum package requirement for the specific product.
- Claims on hot roll (black), hot roll pickled, any sheet products ordered as dry, and/or coated product ordered as dry without oil and passivation.
- Extended storage* by the customer:
 - Storage in excess of 120 days from date of receipt for Cold rolled-oiled.
 - Storage in excess of 90 days from date of receipt for Passivated (chemically treated) material.
 - Storage in excess of 60 days from date of receipt for non-passivated and oiled material.
- Cold Roll Full Hard Unprocessed.
- Any claims involving material shipped beyond the original ship destination.

** Extended storage means; the coil is stored under conditions where the USS Package is maintained and that coil is not subjected to storage conditions such as sweats, roof leaks, chemical attack and/or water intrusion that would increase the potential for rusting.*

Transportation Issues:

For all shipments, the customer is responsible for inspection and documentation of the material conditions during receipt and unloading. Documentation shall include all methods such as digital photographs, videos, receiving log and /or saving the packaging material in an attempt to detail the receiving condition of the material. In situations where damage is noted upon receipt, the customer should make every opportunity to determine if the damage is related to a transit condition, if so, the customer should notify both U. S. Steel and the carrier immediately to a period no longer than 15 days of the receipt of the material. The customer is responsible for unloading and protecting the material from further deterioration while the claim is being resolved. Under no circumstance is the customer to return the material to U. S. Steel without prior authorization.

TIN MILL PRODUCTS



United States Steel Corporation
Making Steel • World Competitive • Building Value



Tin Mill Products

Price Extras - Dollars per Base Box

- Single & Double Reduced Electrolytic Tin Plate**
- Single & Double Reduced Electrolytic Chromium Coated**
- Single & Double Reduced Black Plate - As Rolled**

The Base Box is a unit of area equivalent to 31,360 square inches or 217.78 square feet.

Metallurgical Requirements

Steelmaking

Vacuum Degassed/Fully Stabilized.....	4.14
Clean Steel Practice	2.75
<i>(Clean steel practices are required on any Tin Mill Product application where the manufacture of the end product requires extremely clean internal steel cleanliness due to severe shaping, drawing and/or ironing. The products reflecting these needs include, but are not limited to, drawn and ironed cans, draw-redraw cans, easy open ends, filter shells, paint trays, some aerosol domes, adult nutritional necked in bodies, some baby food caps and certain sanitary ends.)</i>	

Special Properties

Type K (Electrolytic Tin Plate only)	2.41
Minimum Earing.....	0.65

Temper

T-1.....	1.05
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Non Standard Testing

Special Testing and/or Sampling.....	0.66
<i>(Tests other than heat chemistry, Rockwell hardness, tin coating weight, chromium coating weight, oil film weight and Type K)</i>	

Processing

Coil ID - 20"	1.75
Tension Leveling	0.75
No Welds	0.66
<i>When coil weight minimums are specified in conjunction with a weld free requirement, 20% of the ordered item quantity may include lightweight coils. A lightweight coil is specified as 75% of the ordered minimum.</i>	

Quantity

Item Quantity - Pounds

Item Quantity Extra shall be determined by the total weight of each specification of Metallurgical Requirements, Coating, Dimension and Processing entered for production at one time.

80,000 and over.....	None
Under 80,000	1.25



Tin Mill Products (continued)

Price Extras - Dollars per Base Box

Dimension Extras - Single & Double Reduced

Thickness		Base Weight		Base Weight		Base Weight	
Base Weight							
55*	None	76	8.40	97	16.80	118**	25.20
56*	0.40	77	8.80	98	17.20	119**	25.60
57*	0.80	78	9.20	99	17.60	120**	26.00
58*	1.20	79	9.60	100	18.00	121**	26.40
59*	1.60	80	10.00	101	18.40	122**	26.80
60*	2.00	81	10.40	102	18.80	123**	27.20
61*	2.40	82	10.80	103**	19.20	124**	27.60
62*	2.80	83	11.20	104**	19.60	125**	28.00
63*	3.20	84	11.60	105**	20.00	126**	28.40
64*	3.60	85	12.00	106**	20.40	127**	28.80
65*	4.00	86	12.40	107**	20.80	128**	29.20
66*	4.40	87	12.80	108**	21.20	129**	29.60
67*	4.80	88	13.20	109**	21.60	130**	30.00
68	5.20	89	13.60	110**	22.00	131**	30.40
69	5.60	90	14.00	111**	22.40	132**	30.80
70	6.00	91	14.40	112**	22.80	133**	31.20
71	6.40	92	14.80	113**	23.20	134**	31.60
72	6.80	93	15.20	114**	23.60	135**	32.00
73	7.20	94	15.60	115**	24.00		
74	7.60	95	16.00	116**	24.40		
75	8.00	96	16.40	117**	24.80		

* Double Reduced only.

** Single Reduced only.

Restricted Gauge Tolerance

Inquire

Width

Dimension, Inches	All Base Weights
33 ½ and over	None
30 ½ thru under 33 ½	1.10
28 thru under 30 ½	2.92
Under 28	Inquire

Tolerance

	Tolerance, Inches	Extra
Normal Trim	-0, +1/8	None
Close Trim	-0, +1/16	0.53
Ultra Close Trim	-0, +1/32	1.05

Coil Weights

Orders cannot specify exact coil weights. Shipped coil weights will be at USS option, but not to exceed specified maximum. Orders are to include both minimum and maximum specified weights. Coils are supplied with cut edge only.

Specified or Required Maximum Coil Weights - Pounds

12,000 and over	None
Under 12,000 thru 6,000	\$1.65



Tin Mill Products (continued)

Price Extras - Dollars per Base Box

Tin Coating Weight Extras (Standard Coating Weights)

NO.	
10	1.06
15	1.70
20	2.33
25	3.25
50	7.68
75	12.33
100	17.18
20/10	1.70
25/10	1.93
50/10	4.11
30/20	3.25
50/20	4.97
60/20	5.86
75/20	7.21
100/20	9.50
50/25	5.41
75/25	7.68
100/25	10.30
75/50	10.30
100/50	12.33
Fully Alloy	Inquire
Restricted Coating Weights	Inquire
Chromium Coated Extra	0.53

Notes:

Tin Coating Weights under No. 25 are intended for non-soldered applications and do not carry or imply any guarantee for solder-ability.

The appearance of tinplate depends largely on the tin coating weight applied and whether it is melted or unmelted. While U.S. Steel normal practice is to supply a bright, melted finish, the actual coating condition must be specified. For melted finish, superior visual surface requirements are inconsistent with low tin coating levels and will not be satisfied with No. 15 and lighter. Nothing herein is to be construed as a warranty, including (without limitation) fitness for a particular purpose, or as a modification of any warranties in USS Standard Terms and Conditions of Sale.

Tin coating wrap-around is a condition inherent in the coating process where tin coating at or near the strip edge is significantly greater than the specified nominal coating. This condition is prominent on the light side of differentially coated material. For removal of wrap-around condition - inquire.



Electrolytic Coated Sheet

Price Extras - Dollars per Hundred Weight

Electrolytic Tin Coated Sheet Electrolytic Chromium Coated Sheet

These products are produced to a specific NOMINAL THICKNESS unless otherwise specified and are sold on an ACTUAL WEIGHT basis.

Electrolytic Tin Coated Sheet must specify the actual coating condition of the Tin to be applied. Normal practice is to furnish an Unmelted (Matte) finish; however, a Melted (Bright) finish may be available upon inquiry.

Thickness for Electrolytic Chromium Coated Sheet is subject to inquiry.

Width/Thickness

Thickness, Inches (Nominal)	Width, Inches		
	28 - < 30.5	30.5 - < 33.5	33.5 & over
.0359 thru .0301	3.50	3.00	2.50
.0300 thru .0284	2.50	2.00	1.75
.0283 thru .0251	3.00	2.50	2.25
.0250 thru .0225	3.50	3.00	2.50
.0224 thru .0195	4.00	3.50	3.25
.0194 thru .0172	4.75	4.25	4.00
.0171 thru .0150	6.00	5.00	4.50

Tolerance - Thickness*

Specified Width, Inches	Specified Thickness, Inches	
	Tolerance Over and Under, Inches	
	.0359 thru .021	.020 thru .015
20 and over	.003	.002

*Thickness is measured at any point on the sheet not less than 3/8" from an edge.

Welds

Coils normally include welds. Coils specified or required free from welds. 0.55

Coil Weight

Specified or Required Maximum Coil Weights, Pounds	Extras
12,000 and over	None
under 12,000 thru 6,000	1.99

A full weight coil may include welds and is any coil weight weighing more than 75% of the specified or required maximum coil weight which is negotiated on the basis of mill normal coil weight production practice. Orders will not be accepted for exact coil weights. Lightweight coils accruing from production will be shipped up to 15% of the ordered item weight. A lightweight coil is any coil between 25% and 75% of the specified or required maximum coil weight. If a coil weight range is specified or required, the mean coil weight of the range will be considered the specified or required coil weight for application of the lightweight coil privilege.



Electrolytic Coated Sheet (continued)

Price Extras - Dollars per Hundred Weight

Quality

Clean Steel Practice	2.75
Commercial Steel - CS Type B	None
DDS	1.50
Drawing Steel - DS Type B	0.60
Extra Deep Drawing Steel - EDDS	2.75
Structural Steel - SS	0.75

When mechanical properties or values, including tensile strength, yield point, elongation, Rockwell Hardness, or similar tests, are required.

Coating

Coating Number	Approximate Weight, Ounces per Square Foot,	
	Total Coating Both Sides	Extras
10	0.0075	0.77
20	0.0150	1.52
25	0.0184	1.96
50	0.0368	6.03
100	0.0734	10.24

Chrome Coating	0.40
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Processing

Coil ID - 20"	1.75
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Quantity - Pounds

Item Quantity

Item Quantity Extras are determined by the total weight of a size (one thickness and one width) of one grade, one analysis and one finish, released for shipment to one destination at one time.

80,000 and over	None
Under 80,000	1.25

Standard Package

USS will provide suitable weather protection packaging for normal delivery. For open truck shipments, unless instructed otherwise, USS will request Carrier to use tarpaulins for which the applicable tariff charges will be the ultimate responsibility of the Buyer.

*Export packaging for overseas shipments is not available.



General Pricing Extras & Notes

- 1 Single & Double Reduced Electrolytic Tin Plate
Single & Double Reduced Electrolytic Chromium Coated
Single & Double Reduced Black Plate - As Rolled

The price extras listed for the above product categories apply to all our mills where the product is produced and are expressed in DOLLARS PER BASE BOX.

- 2 Electrolytic Tin Coated Sheet
Electrolytic Chromium Coated Sheet

The price extras listed for the above product categories apply to all our mills where the product is produced and are expressed in DOLLARS PER HUNDRED WEIGHT, unless otherwise indicated.

All Tin Mill Products:

- 3 Our price is calculated by adding each applicable extra to the appropriate price base. The application of one extra does not preclude the applicability of any other extras.
- 4 The price extras listed do not necessarily represent the range of products, sizes, grades and chemistries, or the finishes and treatments we are able to furnish. Inquire for specification requirements not listed.
- 5 The price extras listed are based upon the use of our customary methods of production. If any additional or different methods are required, other prices may apply.
- 6 The price extras and other details listed are subject to change without notice, and billings will reflect PRICES IN EFFECT at time of shipment.
- 7 Availability of all items is subject to inquiry.
- 8 All sales are subject to USS approval and all price quotations, request for quotations, proposals, offers and resulting contracts in whatever form (including those resulting from purchase orders, order confirmations, production/shipping releases or otherwise) relative to U. S. Steel products shall be subject exclusively to the USS Standard Terms and Conditions of Sale found at: www.ussteel.com/corp/customer/uss_std_tc_of_sale.pdf. Buyer's placement of an order or release for, or taking delivery of, any U. S. Steel product which is the subject of any such document constitutes your acceptance of same. If you need assistance accessing the USS Standard Terms and Conditions of Sale, please contact your assigned U. S. Steel Sales Manager or Customer Service Representative.



U. S. Steel Claims Policy

Scope:

USS warrants that goods furnished will be produced and tested in accordance with the specifications of the purchased material as identified by the purchase order, part/spec number and further defined by any formal customer specification and/or general industry standard that is referenced. Exceptions to specified requirements will be documented and will be used as overriding criteria for claim acceptance.

Customer Responsibilities:

Customer inspection of coils is expected for each incoming load and should be done prior to unloading. All obvious damage and wet package conditions must be noted on the delivery receipt. Coils should not be unwrapped until they reach ambient or room temperature, usually 48 – 72 hours. Coils should always be stored fully wrapped until used for production. Coil package must be saved along with the coil – if damage, moisture, or rust is observed when the coil is unwrapped. Notify USS representative of all problem conditions as soon as observed and hold material for inspection. Transit Claims will be declined if proper exception is not taken and reported within 15 days of receipt.

Customers must promptly notify USS when material is found to be defective. Material identity must be established and samples must be available to verify defective conditions. USS must be given reasonable opportunity to investigate all non-conformances. Claims will not be honored if material has aged beyond twelve months after invoice date, not stored properly within customer's inventory, or exposed to excessive processing delays within the customer's manufacturing process.

Time limit for storage rust claims on electrostatically oiled black plate or electrostatically oiled light gauge cold roll product is 60 days from receipt of material if delivered without transit damage to the coil package. Time limit for storage rust claims on regular mill oiled black plate or regular mill oiled light gauge cold roll product is six months from receipt of material if delivered without transit damage to the coil package. All storage rust claims will be declined on any product that is ordered dry.

Material must be held for USS review when a high frequency of mill imperfections is encountered. Unprocessed strip off the coil must be inspected to evaluate the as-shipped quality prior to accepting claims for defects that can be generated during customer processing – such as: shape (edge wave, line bow); mechanical damage (dents, scratches, gouges, creases); surface contamination (oil, dirt, foreign particles). Individual coils must be pulled from the shear line if a defect continues after processing 10%. A minimum of 200 feet should be removed on coil-fed product and material retried before pulling the coil from the line. The customer should stop processing coils from the same mill production series after two coils are found to have the same defect and hold all remaining coils for USS review.

Weight Policy:

Systematic variations in coil weight discrepancies between customer scale weight and billed weight must be evaluated by monthly periods and must take into account all of the coils received, both overweight and underweight. Customer credit (under shipment) or debit (overshipment) will be issued if the entire population had a sum total showing differences greater than 1% for the month. Individual coils with billed weight within 1% of the customer's scale weight will not be subject to claim or credit. Individual coils with significant weight differences of 5% or greater should be held for separate investigation.

Surface Expectations:

Although quality objective is zero defects – some imperfections are inevitably present in the coil product. Individual coils may contain up to 2% unusable area that should be removed at the shear line or ahead of coil fed operations. Claims will not be accepted for short lengths of unusable areas removed from individual coils – or accumulations of short sections removed from several coils. USS will not accept claims for wood grain and general surface quality that may be cosmetically objectionable on product with tin coating weights of .15# and lighter.



U. S. Steel Claims Policy (continued)

Claim Disposition:

Manufacturing difficulties that arise without discernible or visible material imperfection in the flat metal may be the result of other steel conditions that could involve mechanical properties, inclusions, microstructure, etc. – OR – could be related to the customer's operation. Parts rejected by various inspection methods (light or air testers, vision systems, etc.) that involve minor quantities are not considered for claim settlement. Claims will not be accepted for parts that do not have visible defects but are rejected based only upon customer association to a few incidental rejections through tester kick outs or visual inspection.

Consequential Cost:

Acceptable claim charges shall be limited to the involved value of the rejected material plus freight. Sorting charges may be included on approved items only. In no event shall USS be liable for or accept any claims for personal injury, disease, death or property damage, loss of profit or lost business, production disruption or delay, or any indirect or incidental costs, or any other consequential damages of any kind. Customer must submit final claim charges on all settled items within thirty (30) days of settlement. Any unauthorized or unidentified deductions taken by a customer before claim is disposed of, approved by USS and settled shall constitute nonpayment with subsequent consequences; including, but not limited to, implementation by USS of a credit hold, shipping hold, and/or loss of discount privileges.