



PRODUCTS & PRICES 2021

EFFECTIVE 01/01/2021



CLIFFS

Cleveland-Cliffs Steel LLC

TERMS AND CONDITIONS OF SALE: All orders are subject to Cleveland-Cliffs Steel Terms and Conditions of Sale published on clevelandcliffs.com.

Hot-rolled and Floor Plate Coil



Cleveland-Cliffs Steel LLC

THICKNESS AND WIDTH (inches)		\$/cwt				
Burns Harbor, Cleveland, Indiana Harbor						
Min. thickness	Nom. thickness	Widths				
		30 - <36	36 - <42	42 - <48	48 - 72	>72
>.749 - .988	>.761 - 1.000	6.50	5.50	3.00	3.00	3.50
>.625 - .749	>.636 - .761	6.00	5.00	2.50	1.00	1.00
>.500 - .625	>.510 - .636	5.50	4.50	2.00	0.50	0.50
>.082 - .500	>.089 - .510	5.00	4.00	1.50	Base*	0.50
>.070 - .082	>.076 - .089	6.00	5.00	2.50	1.50*	N/A
≤.070 Inquire	≤.076 Inquire	7.00	6.00	3.50	3.00	N/A

*Some thickness/width combinations are not available and are subject to inquiry

Riverdale (Low carbon, HSLA & floor plate ASTM A786)

Min. thickness	Nom. thickness	30 - <36	36 - <42	42 - <48	48 - 60
>.500 - .6249*	>.510 - .636	N/A	N/A	3.00	1.50
>.082 - .500	>.087 - .507	1.50	1.00	Base	Base
>.070 - .082	>.073 - .087	2.00	1.50	0.50	0.50
>.062 - .070	>.066 - .073	3.00	2.50	2.00	1.50
≤.062 Inquire	≤.066 Inquire	4.00	3.50	3.00	2.50

Riverdale (>C1035, 10B38, 14xx, 15xx, 3xxx, 4xxx, 5xxx, 6xxx & 8xxx series)

Min. thickness	Nom. thickness	30 - <36	36 - <42	42 - <48	48 - 60
>.500 - .6249*	>.510 - .636	N/A	3.00	3.00	3.00
>.095 - .500	>.100 - .507	N/A	1.00	Base	Base
>.082 - .095	>.087 - .100	N/A	1.50	0.50	0.50
>.070 - .082	>.073 - .087	N/A	2.50	1.50	1.50
>.061 - .070	>.065 - .073	N/A	3.50	2.50	2.50
>.055 - .061	>.059 - .065	N/A	4.50	3.50	3.50

*Subject to inquiry

**Widths to 61.4 inches available in certain thicknesses – inquire

Hot-rolled and Floor Plate Coil



Cleveland-Cliffs Steel LLC

GRADE	\$/cwt
ASTM A1011/ASTM A1018	
Commercial steel type A or B	Base
Drawing steel type A or B (DSA or DSB)	0.60
Drawing steel with boron specified	1.10
Boron specified (carbon > .20%)	1.00
Copper addition	1.25
Carbon (SAE J403)	
C1004 - C1009	Base
C1010 - C1025	0.50
C1026 - C1035	1.50
10B38	2.50
C1036 - C1055	2.00
C1060 - C1070	3.50
C1071 - C1085	4.50
C1095	5.40
Carbon/manganese for grades ≤ 1535: (C <0.35%, Mn > 0.90%)	Inquire
Alloy (SAE J404)	
4130	10.00
4140	11.50
6150	11.75
High-strength low alloy ASTM A1011 / ASTM A1018 (SAE J1392)	
HSLAS 45 ksi min. yield (XK)	2.00
HSLAS 50 ksi min. yield (XK)	2.50
HSLAS 55 ksi min. yield (XK)	3.00
HSLAS 60 ksi min. yield (XK)	3.75
HSLAS 65 ksi min. yield (XK)	4.25
HSLAS 45-65 ksi min. yield (XF)	+0.50 to XK
HSLAS 50-65 vanadium bearing addition to above extras	1.00
HSLAS 70 ksi min. yield (XF only)	5.00
HSLAS 80 ksi min. yield (XF only)	6.00

GRADE – continued	\$/cwt
High-strength low alloy ASTM A1011 / ASTM A1018 (SAE J1392)	
HSLAS 90 ksi min. yield (XF only)	7.00
HSLAS 100-110 ksi min. yield (XF only)	Inquire
Conversion to A414 GR A-G/SA-455 PVQ (no tensile test included)	1.25
A606 type 4 (Weathering steel)	10.50
High-strength low alloy ASTM A1011 / ASTM A1018 (SAE J1392)	
Conversion to ASTM 871-65 (Weathering steel)	11.50
Inclusion shape control	1.20
Structural (ASTM A1011 / ASTM A1018)	
SS 30 - 33, SS 36, for conversion to A36, SS 40 - 55	0.50
High-strength (JIS G3113)	
SAPH 400	3.50
SAPH 440	3.80
AHSS (JIS G3134)	
SPFH 540	Inquire
SPFH 540SF/FB	Inquire
SPFH 590	Inquire
SPFH 590Y, DP590T/300Y	Inquire
SPFH 590SF/FB	Inquire
SF = Stretch flange FB = Ferrite bainite	
Line pipe (API)	
X42	1.75
X46	2.25
X52	2.50
X56	2.75
X60	3.25
X65	3.75
X70	7.50
X80	Inquire
All other API and HIC grades	Inquire
Dual certified grades will be charged at the higher grade	

Hot-rolled and Floor Plate Coil



Cleveland-Cliffs Steel LLC

PROCESSING	\$/cwt
Pickling with mill edge – size limited	1.50
Pickling with cut edge – size limited	2.00
Temper pass with mill edge – size limited	1.25
Temper pass with cut edge – size limited	1.75
Pickling outside with mill edge	Inquire
Pickling outside with cut edge	Inquire
Ultra HS grades over .500 thick	\$/cwt
Grade 50 up to and under grade 80	+ 0.50
Grade 80 (100 ksi max tensile)	+ 1.00
Grade 100	Inquire
Coil size and extras	\$/cwt
Break OD (material will have light stop and start stain)	+ 0.25
Under 48 wide	+ 0.25

TESTING	\$/cwt
Certified chemistry (heat analysis)	Base
Tensile per heat	0.25
Tensile per coil	0.50
Charpy impacts per heat	0.25
Charpy impacts per coil	0.50
Hole expansion 2 tests per coil	3.00
Hole expansion > 2 tests per coil	4.00

GENERAL	\$/cwt
PIW < 750 – if available	0.50
Guaranteed restrictive thickness tolerance (if available)	1.50
Order quantity < 40t per item*	1.25
Exposed	Inquire
Restricted mechanical properties	Inquire
Restricted / modified chemistry	Inquire
Riverdale 1 heat quantity	4.50
Riverdale 2 heat quantity	2.50

*An item is considered one size, grade, destination and delivery date

General Pricing Notes

Hot-rolled and Floor Plate Coil



Cleveland-Cliffs Steel LLC

1. All prices are in US Dollars per 100 pounds (\$/cwt), FOB producing mill or processor, with no freight equalization.
2. All prices are in effect at time of acknowledgment.
3. All prices are subject to change without notice.
4. Ordered max coil weights (PIWs) must match ordered quantities & mode of transportation.
5. Inquire all initial orders to determine mill acceptance.
 - a. Not all thickness/width/grade combinations are available at each production facility.
 - b. Not all processing is available at every facility.
 - c. Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.
 - d. Certain grades will be subject to heat or tundish lot quantities which may vary by facility.
 - e. The minimum order quantity on all standard grades is 40 tons per item (unless an exception is stated elsewhere in these notes). An item is considered one size, grade, destination and delivery date.
 - f. Extras include test report where required by specification designation.
 - g. Coil weight extras and non-standard packaging extras will apply.
6. Minimum order quantity at Riverdale is 250 tons per grade and width, and minimum item quantity is 20 tons.
7. Mills work to latest agreed to specification revisions.
8. Orders referencing plate specifications for coil product will be supplied as sheet steel for conversion to the plate specification. Certification to plate specifications is the responsibility of the customer.
9. The customer's end use and exposure should be included on all purchase orders. If no end use or exposure are given, the mill will default to "miscellaneous" as unexposed application.

Cold-rolled

Cleveland-Cliffs Steel LLC

THICKNESS AND WIDTH (inches)		\$/cwt			
Min. thickness	Nom. thickness	Widths			
		30 - <36	36 - <42	42 - <48	48 - 72
≥.097	≥.100	Inquire	2.00	1.50	1.50
.060 - .0969	.062 - .0999	Inquire	1.00	Base	Base
.028 - .0599	.029 - .0619	Inquire	1.50	Base	Base
.022 - .0279	.023 - .0289	Inquire	4.00	2.50	1.00
.019 - .0219	.020 - .0229	Inquire	6.00	4.50	3.00
.017 - .0189	.018 - .0199	Inquire	6.00	4.50	3.00
.015 - .0169	.016 - .0179	Inquire	7.00	5.50	4.00
.014 - .0149	.015 - .0159	Inquire	8.50	7.00	5.00

GRADE	\$/cwt
ASTM A1008	
Commercial steel type A, B or C	Base
Drawing steel type A or B (DSA or DSB)	0.60
Deep drawing steel (DDS)	1.50
Extra deep drawing steel (EDDS)	2.75
SAE J403	
C1004 - C1008	Base
C1010 - C1022	0.75
Structural steel	
Structural steel < 50 ksi min. yield	0.75
High-strength ASTM A1008 (SAE J1392)	
HSLA <50 ksi min. yield (XK or XLK)	2.00
HSLA 50 ksi (340 MPa) min. yield (XK or XLK)	2.75
HSLA 55 ksi min. yield (XK or XLK)	3.25
HSLA 60 ksi (420 MPa) min. yield (XK or XLK)	3.75
HSLA 45-60 ksi min. yield (XF or XLF)	+0.50 to XK
HSLA >60 ksi min. yield	Inquire

GRADE - continued	\$/cwt
High-strength JIS G3135 (inquire for availability)	
SPFC 340	5.10
SPFC 340H	5.10
SPFC 370	5.40
SPFC 390	5.75
SPFC 440	6.50
Other	
Specified hardness (Rb 15 pt. range up to and including 1/4 hard (60 - 75 Rb))	0.50
Specified hardness 70 - 85 Rb (1/2 hard)	1.50
Full hard (Rb 84 min.)	Inquire
Enameling ASTM A424 type 2 (includes DS extra)	1.50
Enameling ASTM A424 type 3	2.75
Bake hardenable (inquire for availability)	
BH180	2.50
BH210	3.00
BH250	3.65
BH280	4.35
BH300	4.90

GRADE - continued		\$/cwt
AHSS / UHSS (inquire for availability)		
SPFC 590	Base + grade	48.50
SPFC 590Y, DP590T/340Y	Base + grade	49.00
DP690T/550Y	Base + grade	55.00
SPFC 780Y, DP780T/420Y	Base + grade	55.00
SPFC 980Y, DP980T/550Y	Base + grade	61.00
DP980T/700Y MP LCE	Base + grade	63.00
DP980T/600Y LCE	Base + grade	63.50
DP1180T/875Y MP	Base + grade	Inquire
DP1180HY	Base + grade	Inquire
DP1180HY/HE (hole expansion)		Inquire
AHSS / UHSS developmental		
HF 1180		Inquire
HSHF 1180		Inquire
Other bake hardenable, dent resistant, dual phase & AHSS grades		Inquire

MARTENSITIC PRODUCT		\$/cwt
All Martensitic product must be inquired for thickness and width extras, quantity extras etc.		
900M (M130)	Base + grade	61.00
1100M (M160)	Base + grade	Inquire
1300M (M190)	Base + grade	63.00
1500M (M220)	Base + grade	65.00
1700M	Base + grade	68.00
1900M	Base + grade	Inquire

SURFACE TREATMENT/FINISH		\$/cwt
Embossed/texturized (101 & 303 pattern)		1.50
Oil		Base
Dry*		Inquire
Prelube		0.60
Matte finish (typical 30 - 60 Ra)		Base
Exposed		Inquire
Other finishes		Inquire

*Refer to claims policy

TESTING		\$/cwt
Certified chemistry (heat analysis)		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

THERMAL TREATMENT		\$/cwt
Continuous anneal (specified or required)		Inquire
I/N Tek lock		0.75

PROCESSING		\$/cwt
No weld		Inquire
Recoiled (removal of coil ends on CRFH)		1.50
Other processing i.e. tension leveling, slitting etc.		Inquire

GENERAL		\$/cwt
Order quantity <40t per item*		1.25
Restricted thickness tolerance		Inquire
Restricted width tolerance		Inquire
Restricted chemistry		Inquire
Restricted mechanical properties		Inquire
Inclusion shape control		Inquire
PIW 200 - 399		1.00
PIW <200		2.00

*An item is considered one size, grade, destination and delivery date

Cold-rolled Motor Lamination



Cleveland-Cliffs Steel LLC

THICKNESS AND WIDTH (inches)	\$/cwt			
	Widths			
Min. thickness	30 - <36	36 - <42	42 - <48	48 - 72
.029 - .0619	Inquire	1.50	Base	Base
.023 - .0289	Inquire	4.00	2.50	1.00
.020 - .0229	Inquire	6.00	4.50	3.00
.018 - .0199	Inquire	6.00	4.50	3.00

GRADE		\$/cwt
Type 2	CS	2.00
Type 3	3.0/2000	2.50
Type 4	2.5/2000	2.65
Type 4.5	2.37/2000	2.95
Type 5	2.25/2000	3.85
Type 6	1.9/1700	5.00

All other applicable cold-rolled extras apply

General Pricing Notes

Cold-rolled



Cleveland-Cliffs Steel LLC

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3. All prices are subject to change without notice.
4. Ordered max coil weights (PIWs) must match ordered quantities and mode of transportation.
5. Inquire all initial orders to determine mill acceptance.
 - a. Not all thickness/width/grade combinations are available at each production facility.
 - b. Not all processing is available at every facility.
 - c. Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.
 - d. Certain grades will be subject to heat or tundish lot quantities which may vary by facility.
 - e. The minimum order quantity on all standard grades is 40 tons per item (unless an exception is stated elsewhere in these notes). An item is considered one size, grade, destination and delivery date.
 - f. Extras include test report where required by specification designation.
 - g. Coil weight extras and non-standard packaging extras will apply.
6. Mills work to latest agreed to specification revisions.
7. Product offered on 24 inch ID only.
8. The customer's end use and exposure should be included on all purchase orders. If no end use or exposure are given, the mill will default to "miscellaneous" as unexposed application.

Tin Mill Products

Cleveland-Cliffs Steel LLC

PRODUCTS OFFERED

Black plate - as rolled, single and double reduced
Electrolytic chromium coated steel, single and double reduced
Electrolytic tinplate, single and double reduced

COIL WEIGHT \$/Base box

12,000 lbs. and over	Base
Under 12,000 lbs. – 6,000 lbs.	1.65

QUANTITY \$/Base box

80,000 lbs. and over	Base
Under 80,000 lbs. – 40,000 lbs.	1.25

QUALITY \$/Base box

Earing hazard	0.65
Type K or J plate	2.40
DRD (draw/redraw)*	1.95
Special chemistry requirements	2.75
Clean steel practice	2.75

*When height of can exceeds diameter

TEMPER \$/Base box

BA T1	1.05
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BASE WEIGHT SINGLE AND DOUBLE REDUCED

	\$/Base box		\$/Base box	
55*	Base	88	13.20	
57*	0.80	90	14.00	
58*	1.20	93	15.20	
60*	2.00	95	16.00	
63*	3.20	98	17.20	
65*	4.00	100	18.00	
66*	4.40	103	19.20	
68*	5.20	105	20.00	
70	6.00	107	20.80	
71	6.40	110**	22.00	
73	7.20	112**	22.80	
75	8.00	115**	24.00	
78	9.20	118**	25.20	
80	10.00	123**	27.20	
82	10.80	126**	28.40	
83	11.20	128**	29.20	
85	12.00	135**	32.00	

*Double reduced only

**Single reduced only

Intermediate base weight	Inquire
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COATING WEIGHT			
	\$/Base box		\$/Base box
10*	1.06	20/10*	1.70
15*	1.70	20/15*	1.92
20	2.33	50/10*	4.11
25	3.25	50/20	4.97
50	7.68	50/25	5.41
75	12.33	75/20	7.21
100	17.18	75/50	10.30
Chromium coated			0.53

*Tin coatings less than No. 20, specified as reflowed, should not be used where appearance or aesthetics are critical

SPECIAL PROCESSING	\$/Base box
Close slit (- 0 + 1/16)	0.55
Ultra close slit (- 0 + 1/32)	1.05
Restricted side trim tolerances	1.05

PACKAGING	As below
Coil cores (\$ per coil)	15.85
Coil ID > 16.5 (\$ per base box)	1.75

COATING NOTES

Tin coating weights less than No. 25 are intended for non-soldered applications and do not carry or imply any guarantee of solderability.

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

Other tin coating weights subject to inquiry.

COIL WIDTH (inches)	\$/Base box
≥33.5	Base
30.50 - 33.499	1.10
29.00 - 30.499	2.92
Other	Inquire

GENERAL	\$/Base box
No welds	0.65
Testing or certification	0.65
Special finish	2.80
Tension leveling	0.75

Supplemental Tin product book available upon request.

General Pricing Notes

Tin Mill Products



Cleveland-Cliffs Steel LLC

1. All prices are in US Dollars per Base Box, FOB producing mill, with no freight equalization.
2. All prices are in effect at time of shipment.
3. All prices are subject to change without notice.
4. Ordered max coil weights must match ordered quantities and mode of transportation.
5. Inquire all initial orders to determine mill acceptance.
 - a. Not all thickness/width/grade combinations are available.
 - b. Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.
 - c. Certain grades will be subject to heat or tundish lot quantities.
 - d. The minimum order quantity on all standard grades is 40 tons per item (unless an exception is stated elsewhere in these notes). An item is considered one size, grade, destination and delivery date.
 - e. Extras include test report where required by specification designation.
 - f. Coil weight extras and non-standard packaging extras will apply.
6. Coils are supplied with cut edge only.
7. Mill works to latest agreed to specification revisions.
8. Standard coil ID is 16.5 inches.
9. The customer's end use and exposure should be included on all purchase orders. If no end use or exposure are given, the mill will default to "miscellaneous" as unexposed application.

Electrolytic Tin Coated and Chrome Coated Sheet



Cleveland-Cliffs Steel LLC

PRODUCTS OFFERED

Electrolytic tin coated sheet
Electrolytic chrome coated sheet

THICKNESS AND WIDTH (inches) \$/cwt

Nom. thickness	Widths		
	29.5 - <30.5	30.5 - <33.5	≥33.5
.0284 - .0300	2.50	2.00	1.75
.0251 - .0283	3.00	2.50	2.25
.0225 - .0250	3.50	3.00	2.50
.0195 - .0224	4.00	3.50	3.25
.0172 - .0194	4.75	4.25	4.00
.0150 - .0171	6.00	5.00	4.50

COIL WEIGHT \$/cwt

12,000 lbs. and over	Base
Under 12,000 lbs. – 6,000 lbs.	2.00

QUANTITY \$/cwt

80,000 lbs. and over	Base
Under 80,000 lbs. – 40,000 lbs.	1.25

QUALITY \$/cwt

Clean steel practice	2.75
Commercial steel (CS)	Base
Drawing steel (DS)	0.60
DDS	1.50
Structural steel	0.75

COATING WEIGHT EXTRAS \$/cwt

10*	0.77
20	1.52
25	1.96
50	6.03
75*	8.14
100*	10.24
Chromium coated	0.40

*If these coatings are specified as reflowed, they should not be used where appearance or aesthetics are critical

GENERAL \$/cwt

No welds	0.55
Testing or certification	0.55
Restricted thickness tolerance	Inquire
Coil ID > 16.5	1.75

General Pricing Notes

Electrolytic Tin Coated and Chrome Coated Sheet



Cleveland-Cliffs Steel LLC

1. All prices are in US Dollars per 100 pounds (\$/cwt), FOB producing mill, with no freight equalization.
2. All prices are in effect at time of shipment.
3. All prices are subject to change without notice.
4. Ordered max coil weights must match ordered quantities and mode of transportation.
5. Inquire all initial orders to determine mill acceptance.
 - a. Not all thickness/width/grade combinations may be available.
 - b. Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.
 - c. Certain grades will be subject to heat or tundish lot quantities.
 - d. The minimum order quantity on all standard grades is 40 tons per item (unless an exception is stated elsewhere in these notes). An item is considered one size, grade, destination and delivery date.
 - e. Extras include test report where required by specification designation.
 - f. Coil weight extras and non-standard packaging extras will apply.
6. Mill works to latest agreed to specification revisions.
7. Standard coil ID is 16.5 inches.
8. The customer's end use and exposure should be included on all purchase orders. If no end use or exposure are given, the mill will default to "miscellaneous" as unexposed application.

Hot-dip Galvanized and Galvannealed



Cleveland-Cliffs Steel LLC

COATING WEIGHT			\$/cwt						
Coating category			Coating weight						
Category 1 ounces per square foot (total both sides)			G30 G40/A40	G60	G90	G115*	G165*	G210*	G235*
Category 2 grams per square meter (total both sides)			40/40 - 70/70	90/90 - 100/100					
Min. thickness	Nom. thickness								
≥ 130	≥ 134		0.90	1.15	1.60	2.05	2.75	3.45	4.05
.085 - .1299	.087 - .1339		1.15	1.50	2.05	2.75	3.65	4.65	5.40
.060 - .0849	.062 - .0869		1.60	2.25	3.10	3.95	5.25	6.70	7.60
.044 - .0599	.045 - .0619		2.05	2.85	4.20	5.45	7.10	9.25	10.80
.036 - .0439	.037 - .0449		2.35	3.40	5.05	7.00	8.80	11.05	13.95
.032 - .0359	.033 - .0369		2.80	3.95	5.70	7.00	9.95	12.40	14.50
.028 - .0319	.029 - .0329		2.95	4.35	5.85	7.80	10.35	13.70	16.00
.025 - .0279	.026 - .0289		3.55	5.00	6.55	8.90	11.75	15.70	18.40
.022 - .0249	.023 - .0259		3.90	5.55	7.20	9.80	13.15	17.30	20.30
.020 - .0219	.021 - .0229		4.35	6.15	8.85	11.05	15.90	20.15	22.75
.018 - .0199	.019 - .0209		4.85	6.90	9.80	11.80	17.80	22.50	25.30
.016 - .0179	.017 - .0189		5.30	7.60	10.55	12.95	19.45	24.75	27.90
.015 - .0159	.016 - .0169		Inquire	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire

*Heavy coating weights available at Indiana Harbor West

THICKNESS AND WIDTH (inches)			\$/cwt			
			Widths			
Min. thickness	Nom. thickness		30 - <36	36 - <40	40 - <60	60 - 72
≥ .028	≥ .029		Inquire	3.50	Base	Base
.026 - .0279	.027 - .0289		Inquire	5.50	2.00	1.50
.022 - .0259	.023 - .0269		Inquire	6.75	3.50	3.00
.019 - .0219	.020 - .0229		Inquire	7.50	4.50	4.00
.018 - .0189	.019 - .0199		Inquire	8.10	5.00	Inquire
.015 - .0179	.016 - .0189		Inquire	Inquire	Inquire	Inquire

Hot-dip Galvanized and Galvannealed



Cleveland-Cliffs Steel LLC

COATING TYPE	\$/cwt
Galvanized	Base
Galvannealed	0.50
GRADE	\$/cwt
ASTM A653	
Commercial steel type A, B or C	Base
Forming steel type A or B	0.60
Deep drawing steel (DDS)	1.50
Extra deep drawing steel (EDDS)	2.75
SAE J403	
C1004 - C1009	Base
C1010 - C1022	0.75
Structural steels	
Structural steel grade 30, 33, 37, 40, 50, 55, 57	0.75
Structural steel grade 80	0.50
High-strength—ASTM A653	
HSLA grade 40	3.40
HSLA grade 50	3.90
HSLA grade 60	4.40
HSLA grade 40 - 60 (improved formability - XF)	0.50*
SGC 440 / JAC 440W	6.75
Other	
Specified hardness (Rb 15 pt. range up to and including (1/4 hard (60 - 75 Rb))	0.75
Bake hardenable (inquire for availability)	
BH180	2.75
BH210	3.25
BH250	3.90
BH280	4.60
AHSS (inquire for availability)	
JAC 590R	49.50**
JAC 590Y, DP590T/340Y	50.00**
JAC 780Y, DP780T/420Y	56.00**
TRIP 590T/380Y	56.25**
TRIP 780T/420Y	62.50**
Other bake hardenable, dent resistant, dual phase and AHSS grades	Inquire
AHSS / UHSS developmental (Availability subject to specific item inquiry and approval)	
DP980T/600Y LCE	68.00**
HF 980	Inquire
HSHF 980	Inquire

*Add to Grade Extra

**Bundled price does not include coating weight extra

SURFACE TREATMENT/FINISH	\$/cwt
Min. spangle and/or extra smooth (Product will be temper rolled) · Standard process includes temper rolling for consistent surface appearance · Does not assure freedom from coil breaks	Base
Temper roll (fluting sensitive) · Available on non-IF steels for coil break free surface · Not available for HSLA · Not required for IF steel as coil breaks will not occur	0.50
Exposed	Inquire
Oil	Base
Chemical treated (hexavalent - galvanized)	Base
Chemical treated (RoHS compliant)	0.50
Chemical treated (galvannealed)	Inquire
Non chem treat dry***	Inquire
Prelube	0.60
Phosphate coated (galvannealed) · Typically associated with increasing lubricity in a die · Not to be confused with a pre-paint type phosphate coating	1.00
Acrylic	1.00

TESTING	\$/cwt
UL certification	0.40
Certified chemistry (heat analysis)	Base
Hardness	0.25
Tensile per heat	0.25
Tensile per coil	0.50
Tensile with N value per Heat	0.50
Tensile with R&N per Heat	0.75
Additional testing	Inquire

GENERAL	\$/cwt
Order quantity < 40t per item†	1.25
Restricted thickness tolerance	Inquire
Restricted width tolerance	Inquire
Restricted chemistry	Inquire
Restricted mechanical properties	Inquire
Restricted flatness/tension leveling	Inquire
Inclusion shape control	Inquire
PIW 200 - 399	1.00
PIW <200	2.00

†An item is considered one size, grade, destination and delivery date

*** Refer to claims policy

Electrogalvanized

Cleveland-Cliffs Steel LLC

COATING WEIGHT		\$/cwt								
I/N Kote (zinc coated)		Coating weight (grams/square meter)								
Min. thickness	Nom. thickness	20/20	30/30	40/40	50/50	60/60	70/70	80/80	90/90	100/100
.060 - .079	.062 - .081	1.65	2.35	3.10	3.75	4.50	5.45	6.25	7.10	7.75
.044 - .0599	.046 - .0619	2.10	2.85	3.60	4.35	5.10	5.85	6.70	7.50	8.55
.036 - .0439	.037 - .0459	2.55	3.40	4.25	5.10	5.85	6.80	7.75	8.60	9.35
.032 - .0359	.033 - .0369	2.95	3.95	5.05	5.85	6.85	7.65	8.60	9.45	10.20
.028 - .0319	.029 - .0329	3.60	4.50	5.80	6.80	7.60	8.65	9.50	10.25	11.40
.025 - .0279	.026 - .0289	4.25	5.25	6.35	7.55	8.65	9.45	10.35	11.25	12.05
.023 - .0249	.024 - .0259	5.10	5.85	7.35	8.60	9.95	10.25	11.25	12.15	12.90
.019 - .0229	.020 - .0239	5.90	7.00	8.50	9.40	10.30	11.30	12.20	13.00	14.00
.0169 - .0189	.0176 - .0199	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire

THICKNESS AND WIDTH (inches)		\$/cwt				
I/N Kote		Widths				
Min. thickness	Nom. thickness	24 - <36	36 - <42	42 - <48	48 - <64	64 - <72
.026 - .079	.027 - .081	Inquire	3.50	1.00	Base	Base
.022 - .0259	.023 - .0269	Inquire	5.00	4.00	3.00	2.50
.019 - .0219	.020 - .0229	Inquire	7.00	6.00	5.00	5.00
.0169 - .0189	.0176 - .0199	Inquire	Inquire	Inquire	Inquire	Inquire

Electrogalvanized

Cleveland-Cliffs Steel LLC

GRADE		\$/cwt
ASTM A879		
Commercial steel type A, B or C		Base
Drawing steel type A or B (DSA or DSB)		0.60
Deep drawing steel (DDS)		1.50
Extra deep drawing steel (EDDS)		2.75
SAE J403		
C1004 - C1009		Base
C1010 - C1022		0.75
High-strength (inquire for availability)		
High-strength steels 40 - 80 ksi		Inquire
High-strength steels 40 - 80 ksi min. yield*		Inquire
Other		
Specified hardness (Rb 15 pt. range up to and including (1/4 hard (60 - 75 Rb))		0.75
Bake hardenable (inquire for availability)		
BH180		2.50
BH210		3.00
BH250		3.65
BH280		4.35
BH300		4.90
AHSS / UHSS (inquire for availability)		
DP590T/340Y	Base + grade	50.00*
DP690T/550Y	Base + grade	56.00*
DP780T/420Y	Base + grade	56.00*
DP980T/550Y	Base + grade	62.00*
DP980T/700Y MP LCE	Base + grade	64.00*
DP980T/600Y LCE	Base + grade	64.50*
DP1180T/875Y MP	Base + grade	Inquire
DP1180HY	Base + grade	Inquire
DP1180HY/HE (hole expansion)	Base + grade	Inquire
Other bake hardenable, dent resistant, dual phase & AHSS grades		Inquire

*Bundled price does not include coating weight extra.

MARTENSITIC PRODUCT		\$/cwt
All Martensitic product must be inquired for thickness and width extras, quantity extras etc.		
900M (M130)	Base + grade	62.00*
1100M (M160)	Base + grade	Inquire
1300M (M190)	Base + grade	64.00*
1500M (M220)	Base + grade	66.00*
1700M	Base + grade	69.00*
1900M	Base + grade	Inquire

*Bundled price does not include coating weight extra

SURFACE TREATMENT/FINISH	\$/cwt
Oil	Base
Prelube	0.60
Exposed	Inquire

TESTING	\$/cwt
Certified chemistry (heat analysis)	Base
Hardness	0.25
Tensile per heat	0.25
Tensile per coil	0.50
Tensile with N value per heat	0.50
Tensile with R&N per heat	0.75
Additional testing	Inquire

GENERAL	\$/cwt
Order quantity <40t per item**	1.25
Restricted thickness tolerance	Inquire
Restricted width tolerance	Inquire
Restricted chemistry	Inquire
Restricted mechanical properties	Inquire
Restricted flatness	Inquire
Inclusion shape control	Inquire
PIW 200 - 399	1.00
PIW <200	2.00

**An item is considered one size, grade, destination and delivery date

COATING WEIGHT		\$/cwt	
		Coating weight*	
Min. thickness	Nom. thickness	AZ50	AZ55
> .0300	> .0320	Inquire	Inquire
.028 - .0300	.029 - .0320	4.90	5.40
.025 - .0279	.026 - .0289	5.55	6.10
.022 - .0249	.023 - .0259	6.25	6.90
.020 - .0219	.021 - .0229	7.00	7.70
.018 - .0199	.019 - .0209	7.75	8.50
.016 - .0179	.017 - .0189	8.65	9.50
.015 - .0159	.016 - .0169	9.50	10.45
.0142 - .0149	.0152 - .0159	10.05	11.10

*Other coating weights available - inquire

THICKNESS AND WIDTH (inches)		\$/cwt	
		Widths	
Min. thickness	Nom. thickness	29 - <40	40 - 49
> .0300	> .0320	Inquire	Inquire
.028 - .0300	.029 - .0320	Inquire	Base
.022 - .0279	.023 - .0289	Inquire	1.50
.019 - .0219	.020 - .0229	Inquire	2.00
.017 - .0189	.018 - .0199	Inquire	2.75
.015 - .0169	.016 - .0179	Inquire	3.50
.0142 - .0149	.015 - .0159	Inquire	4.00

GRADE	\$/cwt
A792 Commercial steel type A, B or C	Base
A792 Forming steel type A or B	0.60
High-strength	
A792 Structural steel grade 33-37-40 & 50 (class 2 & 4)	0.75
A792 Structural steel grade 50 (class 1)	Inquire
A792 Structural steel grade 80 (class 1)	0.50
A792 Structural steel grade 80 (class 2)	Inquire

SURFACE TREATMENT/FINISH	\$/cwt
Extra smooth (temper rolled)	0.50
Oil	Base
Chemical treated (hexavalent)	Base

TESTING	\$/cwt
UL certification	0.40
Tensile per heat	0.25

GENERAL	\$/cwt
Order quantity <40t per item	1.25
PIW 200 - 399	1.00
PIW <200	2.00

☐An item is considered one size, grade, destination and delivery date

Limited Warranty

GALVALUME® Sheet



Cleveland-Cliffs Steel LLC

Cleveland-Cliffs Steel LLC warrants to the Buyer that our hot-dipped aluminum-zinc alloy-coated GALVALUME® steel with a coating weight of AZ50 sold for use as unpainted steel building panels erected within the United States and Canada, and exposed to normal atmospheric conditions, WILL NOT rupture, fail structurally, or perforate due to corrosion within a period of 20 years and 6 months after shipment from our mill. For a coating weight of AZ55, this period is extended to 25 years and 6 months. Cleveland-Cliffs Steel LLC warrants its AZ50 GALVALUME product for 25 years and 6 months when prepainted in accordance with prepaint industry standards.

This warranty DOES NOT APPLY to sheets exposed at any time to corrosive or aggressive atmospheric conditions, including, BUT NOT LIMITED TO:

1. Areas subject to salt water marine atmospheres or to constant spraying of either salt or fresh water.
2. Areas subject to fallout or exposure to corrosive chemicals, fumes, ash, cement dust, animal waste or its decomposition by-products, carbon black, or fallout from copper, lead, nickel or silver mining or refining operations.
3. Areas subject to water run-off from lead or copper flashings or piping or areas in contact with lead or copper.
4. Conditions/circumstances where corrosive fumes or condensates are generated or released inside the building.

This warranty DOES NOT APPLY in the event of:

1. Bends less than 2T inside bend diameter for sheet thicknesses 0.030 inches and thinner, and less than 4T for sheet thicknesses greater than 0.030 inches.
2. Roof or sections of the roof flatter than 1/4:12 slope.

3. Mechanical, chemical, or other damage sustained during shipment, storage, forming, fabrication, or during or after erection.
4. Forming which incorporates severe reverse bending or which subjects the metallic coating to alternate compression and tension.
5. Failure to provide free drainage of water, including, but not limited to, internal condensation from overlaps and from all other surfaces of the sheets or panels.
6. Failure to remove debris from overlaps and from all other surfaces of the sheets or panels.
7. Damage caused to the metallic coating by improper forming (including, but not limited to, roll forming, press braking or embossing) or scouring or cleaning procedures.
8. Deterioration of the panels caused by contact with green or wet or pressure-treated lumber, or wet storage stain caused by water damage or condensation.
9. Presence of damp insulation, soil, vegetation or other corrosive materials in contact with or in close proximity to the sheets or panels.
10. Deterioration to the panels caused directly or indirectly by panel contact with fasteners or by overdriving the fasteners so as to damage the panel. Selection of suitable long-lasting fasteners to be used with GALVALUME panels rests solely with the Buyer. Fasteners are to be electrically insulated from the panel surface (e.g., with elastomeric grommets) to prevent dissimilar metal contact.
11. Failures caused by acts of God, falling objects, external forces, explosions, fires, riots, civil commotions, acts of war or radiation.

Limited Warranty

GALVALUME® Sheet



Cleveland-Cliffs Steel LLC

This warranty shall be subject to the stipulations, limitations and conditions hereinafter set forth:

1. This warranty shall be interpreted and enforced in accordance with the laws of the State of Illinois, USA, without regard to principles regarding conflicts of law, the courts of which State shall have exclusive jurisdiction and venue over the enforcement of this warranty. There is excluded from this warranty the application of the United Nations Convention of Contracts for the International Sale of Goods.
2. This warranty is contingent on the proper maintenance of the building, which maintenance is to be provided by the building owner.
3. Cleveland-Cliffs Steel LLC's liability for breach of this warranty and/or for the failure of material to conform, whether due to Cleveland-Cliffs Steel LLC's negligent acts or omissions or otherwise, shall be limited exclusively to the cost of either repairing nonconforming panels, or at Cleveland-Cliffs Steel LLC's sole option, of furnishing (FOB Cleveland-Cliffs Steel LLC's plant) sufficient sheet product to enable Buyer to fabricate replacement panels for the nonconforming panels.
4. Cleveland-Cliffs Steel LLC will be responsible for replacement of material only. Cleveland-Cliffs Steel LLC shall not in any event be liable for the cost of labor expended by others on any nonconforming material or for any special, indirect or consequential damages to anyone caused by nonconforming material.
5. This warranty also applies to the material repaired or used to replace the nonconforming material, but only for the unexpired portion of the warranty period applicable to the original material.
6. Buyer shall promptly inspect the material and use reasonable care to protect any rejected material until Cleveland-Cliffs Steel LLC has time to conduct its own inspection and make or direct disposition.
7. In order for Cleveland-Cliffs Steel LLC to honor any claim on material shipped, Buyer must promptly document the claim with identification of material, date of installation, Cleveland-Cliffs Steel LLC order number, coil number, invoice number and date of shipment and must give Cleveland-Cliffs Steel LLC a reasonable opportunity to inspect the material claimed to be nonconforming.
8. Except to the extent provided under applicable law, (a) Cleveland-Cliffs Steel LLC extends this warranty solely to the Buyer; and (b) this warranty is non-transferable and non-assignable.
9. Cleveland-Cliffs Steel LLC reserves the right to terminate this warranty at any time (except as to orders already accepted) upon the giving of written notice thereof.

CLEVELAND-CLIFFS STEEL LLC MAKES NO GUARANTEES OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE AND MERCHANTABILITY, ARE HEREBY EXCLUDED; AND CLEVELAND-CLIFFS STEEL LLC SHALL HAVE NO OTHER LIABILITY WITH RESPECT TO ANY OTHER GUARANTEES OR WARRANTIES.

General Pricing Notes

Hot-dip Galvanized, Galvannealed,
Electrogalvanized and GALVALUME®



Cleveland-Cliffs Steel LLC

1. All prices are in US Dollars per 100 pounds (\$/cwt), FOB producing mill or processor, with no freight equalization.
2. All prices are in effect at time of acknowledgement.
3. All prices are subject to change without notice.
4. Ordered max coil weights (PIWs) must match ordered quantities and mode of transportation.
5. Inquire all initial orders to determine mill acceptance.
 - a. Not all thickness/width/grade combinations are available at each production facility.
 - b. Not all processing is available at every facility.
 - c. Non-standard chemistries must be inquired and may result in additional charges and minimum quantities.
 - d. Certain grades will be subject to heat or tundish lot quantities which may vary by facility.
 - e. The minimum order quantity on all standard grades is 40 tons per item (unless an exception is stated elsewhere in these notes). An item is considered one size, grade, destination and delivery date.
 - f. Extras include test report where required by specification designation.
 - g. Coil weight extras and non-standard packaging extras will apply.
6. Mills work to latest agreed to specification revisions.
7. Product offered on 24 inch ID only. GALVALUME available on 20 inch ID or 24 inch ID.
8. The customer's end use and exposure should be included on all purchase orders. If no end use or exposure are given, the mill will default to "miscellaneous" as unexposed application.

General Order Guidelines

Light Flat-rolled and Tin Mill Products



Cleveland-Cliffs Steel LLC

COIL WEIGHT

A full weight coil, with or without welds, is any coil weighing more than 75% of the specified or required maximum coil weight which is negotiated between buyer and seller on the basis of mill normal coil weight production practice. 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.

PERMISSIBLE VARIATION FROM ORDERED QUANTITY

120,000 lbs. and over

5% over or 5% under

Under 120,000 lbs. to 25,000 lbs.

Order quantity

$\frac{\text{Order quantity}}{\text{Max coil weight}} = \text{number of coils}$

Max coil weight

Order is complete when number of coils are supplied and fall within coil weight variance.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

INTRODUCTION

This general claims policy, together with Cleveland-Cliffs Steel's Terms and Conditions of Sale (published on clevelandcliffs.com), covers light flat-rolled sheet and tin mill products produced at all Cleveland-Cliffs Steel LLC flat-rolled facilities. It covers the major points of a claim policy, but it does not intend to cover all circumstances that may arise. Cleveland-Cliffs Steel LLC reserves the right to handle each claim individually, based on the circumstances surrounding the claim in question.

Requirements for dimensions, flatness, surface, coating weight, surface texture, and chemistry will be according to customer specifications accepted by Cleveland-Cliffs Steel LLC in advance in writing, and/or consistent with applicable ASTM specifications. More restrictive requirements are subject to inquiry with, and acceptance by, Cleveland-Cliffs Steel LLC prior to order acceptance.

When a customer provides a specific design instruction or set point for a process variable as part of an order, the customer assumes responsibility for defects or performance issues that arise as a result of the direction provided by the customer. This includes, but is not limited to, finishing and coiling temperature aims, oil coverage amounts, and packaging.

CLEVELAND-CLIFFS STEEL LLC RESPONSIBILITIES

Cleveland-Cliffs Steel LLC is dedicated to supplying customers with flat-rolled steel and tin mill products in accordance with agreed to standards and specifications. Cleveland-Cliffs Steel LLC's early involvement in the development of customer requirements within the Cleveland-Cliffs Steel LLC organization is paramount to achieving customer satisfaction.

If material furnished by Cleveland-Cliffs Steel LLC does not meet order requirements, a claim should be submitted to the appropriate Cleveland-Cliffs Steel LLC representative. All claims will be evaluated on the basis of technical merit in line with published policies, applicable specifications, contracts, purchase orders, and final order acknowledgments.

After claim is reviewed and decision is determined by Cleveland-Cliffs Steel LLC, a document outlining Cleveland-Cliffs Steel LLC's position on the claim will be communicated to the customer.

Cleveland-Cliffs Steel LLC reserves the right to make final disposition on accepted claim material.

CUSTOMER RESPONSIBILITIES

See Terms and Conditions, section 12

In order to efficiently evaluate and process a claim, Cleveland-Cliffs Steel LLC must be provided with complete information of the problem and be given a reasonable opportunity to investigate claims. Complete information includes claim reason, claim documentation, Cleveland-Cliffs Steel LLC coil number, inspection report, cost of material, quantity of involved material, condition of material, etc. Cleveland-Cliffs Steel LLC retains the right to visit to investigate and/or require a representative sample of the condition, digital photos with size reference next to the condition, or a video.

Suspect material should be contained, and further manufacture should cease upon earliest detection of an undesirable condition.

Failure by customer to cooperate fully, including any failure to provide supporting documentation in a prompt manner, may result in the rejection of the customer's claim.

For the duration of the claim, customer will continue to store the product in a manner to prevent damage or deterioration and maintain general insurance.

Unauthorized or unidentified deductions before a claim is dispositioned or settled constitutes nonpayment with subsequent consequences, including, but not limited to, credit hold, shipping hold, and loss of discount privileges.

CONSEQUENTIAL COSTS

For claims with merit, Cleveland-Cliffs Steel LLC will assume responsibility for the value of the weight of the affected material, address other costs as outlined below, but in no event will be liable for any further direct, indirect, incidental, consequential or special damages or other costs.

Cleveland-Cliffs Steel LLC will not honor sorting, sampling, storage, freight, additional processing, consequential costs, administrative or replacement cost unless pre-approved and allowed by Cleveland-Cliffs Steel LLC prior to incurring the expense.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

SCRAP CREDIT

Cleveland-Cliffs Steel LLC requires any debit for material dispositioned to be scrapped to be reduced by the amount of the scrap credit as described below.

Scrap credit will be determined on a monthly basis using the average of the #1 Bundles and #1 Heavy Melt as published in the American Metal Market (AMM) in the geographic region closest to the customer less a handling fee of \$20/gross ton. No material is to be scrapped without prior approval from Cleveland-Cliffs Steel LLC. (This credit will be adjusted on a monthly basis and will be based on the price as shown in AMM for USA ship to locations and the Cleveland-Cliffs Steel LLC published scrap values for Canada ship to locations.)

COIL QUALITY - GENERAL

Cleveland-Cliffs Steel LLC guarantees 98% satisfactory product in coil shipments of Hot Rolled, Cold Rolled, Coated and Tin Mill Products.

Hot Rolled Unprocessed bands are shipped directly from the mill without further processing. Customer must accept, without claim, the uncropped ends of a coil that exceed the tolerances for thickness and width ordered. Likewise, mechanical property variation resulting in specification nonconformance on uncropped ends is not claimable. HR non-temper rolled coils, especially lower strength and heavier gauges, can develop coil/cross breaks. Cleveland-Cliffs Steel LLC will not accept claims for coil or cross breaks on non-temper rolled hot roll coils.

For some product (combinations of gauge, width and strength), there are no published society standards. Cleveland-Cliffs Steel LLC will guarantee a maximum out-of-flat as outlined in the tables attached to this policy. Cold Roll Full Hard unprocessed coils are shipped directly from the mill without further processing. Customer must accept, without claim, the uncropped ends of a coil that exceed the tolerances for thickness and width ordered.

Unless specified otherwise on customer's order, and accepted on Cleveland-Cliffs Steel LLC's order acknowledgment, the coil top side will be provided as the prime surface. Claims will not be honored for OD or ID wraps, including claims for identification stickers or markings that may be present in these laps. If initial processing results in observation of a

nonconforming condition, approximately 10% of the coil must be run before rejecting the entire coil. If multiple coils from the shipment show the same imperfection and are being rejected, processing of additional coils should be discontinued pending discussion with a Cleveland-Cliffs Steel LLC representative (e.g. a maximum of 3 coils at one value).

RUST and STAIN POLICY

Cleveland-Cliffs Steel LLC will evaluate all rust and stain claims to determine cause. Cleveland-Cliffs Steel LLC will not accept rust and/or stain claims under the following conditions:

- Related to improper storage or handling in a customer's facility
- Material shipped beyond the original ship to destination
- Material where the customer requested packaging does not meet Cleveland-Cliffs Steel LLC's minimum packaging requirements
- Hot rolled pickled material; Cold rolled full hard, finished, or black plate material; ordered as dry (no oil) or with less than the mill recommended regular (medium) oil coverage
- Coated product ordered dry (without oil or passivation)
- Hexavalent chromium passivated coated product after 90 days of shipment
- RoHS compliant chemical treated product after 75 days of shipment
- Oiled product, including tin and tin free steel (TFS), after 90 days of shipment
- Cosmetic rust (not pitted) on hot-rolled black

A claim for stain that is determined to have been caused by improper process conditions is an exception to this policy and will be evaluated for merit considering the specific facts of that individual claim.

AGING

Certain steel grades are considered aging grades in relation to their mechanical properties. As such their properties change over time. As such, we warrant properties only at time of our production. It is recommended that these grades be used in an expeditious manner.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

WEIGHT VARIATION

A variation between Cleveland-Cliffs Steel LLC's invoiced actual weight and the customer's scale weight up to one percent (1%), whether under or over, shall be permissible variation. Substantial difference outside of this amount is claimable. Claims for weight variation involving multiple coils must be evaluated over a defined period (monthly, quarterly, etc.) and take into account both underweight and overweight coils during that period. If over the time period the total shipped weight was more than 1% underweight the entire shortage will be credited.

TRANSPORTATION ISSUES

For all shipments, customer or its designee are responsible for inspection and documentation of material condition during receipt and unloading. On material sold as FOB mill, it is the customer's responsibility to record damage upon receipt and to file a claim with the carrier for any claim caused during the transit period from Cleveland-Cliffs Steel LLC to the customer. Refer to Cleveland-Cliffs Steel LLC Standard Terms and Conditions. Cleveland-Cliffs Steel LLC does not accept orders on the basis of FOB delivered to the customer.

SPECIAL PRODUCTS

Special Products are sold separately from prime products in the four categories of Excess Prime, Reapplied, Secondary and Salvage. Each of these classifications is covered by its own claims policy. The definitions and policies are maintained by the Special Products Sales group at Cleveland-Cliffs Steel LLC. The customer should be aware of these definitions and what to expect in each category. All claims on material sold as Special Products should be presented to the appropriate Cleveland-Cliffs Steel LLC representative assigned to that customer, who will investigate and verify the claim. For greater certainty, this General Claims policy does not apply to Special Products.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

SUPPLEMENTAL HOT-ROLLED FLATNESS SPECIFICATIONS

Carbon steels under 45 ksi min. yield		Sheet type	
Min. thickness	Width	Processed**	Non-processed
>.057 - <.180	≤60 .0	0.500	1.500
	>60.0 - 72.0	0.750	2.250
	>72.0	1.000	3.000
.180 - <.230	≤60 .0	0.500	1.500
	>60.0 - 72.0	0.750	2.250
	>72.0	1.000	3.000
.230 - <.500	≤60 .0	0.750	1.500
	>60.0 - 72.0	0.875	2.250
	>72.0	1.000	3.000
.500 - .750	≤60 .0	0.750*	2.000
	>60.0 - 72.0	1.000*	2.500
	>72.0	1.125*	3.500

Regular font based on ASTM A568. Includes A786 floor plate coils.

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A635 or A568.

Application of this table in coil form is not appropriate unless the coil has been rolled out and adequately flattened with all coil set removed.

*Based on future ASTM A635 changes.

**The term "Processed" includes coils that have been pickled and/or through an adequate flattening process such as: temper roll, tension level, stretcher level, cassette level, Z-Mill.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

SUPPLEMENTAL HOT-ROLLED FLATNESS SPECIFICATIONS

High-strength steels from 45 to 50 ksi min. yield		Sheet type	
Min. thickness	Width	Processed**	Non-processed
>.057 - <.180	≤60 .0	0.750	2.250
	>60.0 - 72.0	1.125	3.375
	>72.0	1.500	4.500
.180 - <.230	≤60 .0	0.750	2.250
	>60.0 - 72.0	1.125	3.375
	>72.0	1.500	4.500
.230 - <.500	≤60 .0	0.875	2.250
	>60.0 - 72.0	1.000	3.000
	>72.0	1.187	3.500
.500 - .750	≤60 .0	1.000*	2.500
	>60.0 - 72.0	1.250*	3.250
	>72.0	1.500*	3.750

Regular font based on ASTM A568. Includes A786 floor plate coils.

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A635 or A568.

Application of this table in coil form is not appropriate unless the coil has been rolled out and adequately flattened with all coil set removed.

*Based on future ASTM A635 changes.

**The term "Processed" includes coils that have been pickled and/or through an adequate flattening process such as: temper roll, tension level, stretcher level, cassette level, Z-Mill.

SUPPLEMENTAL HOT-ROLLED FLATNESS SPECIFICATIONS

Carbon steels over 50 ksi min. yield			
		Sheet type	
Min. thickness	Width	Processed**	Non-processed
>.057 - <.180	≤60 .0	1.000	2.500
	>60.0 - 72.0	1.500	3.500
	>72.0	1.750	4.750
.180 - <.230	≤60 .0	1.000	2.500
	>60.0 - 72.0	1.500	3.250
	>72.0	1.750	3.750
.230 - <.500	≤60 .0	1.000	2.500
	>60.0 - 72.0	1.500	3.250
	>72.0	1.750	3.750

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A635 or A568.

Application of this table in coil form is not appropriate unless the coil has been rolled out and adequately flattened with all coil set removed.

**The term "Processed" includes coils that have been pickled and/or through an adequate flattening process such as: temper roll, tension level, stretcher level, cassette level, Z-Mill.

Flatness tolerances of hot rolled steels ordered by tensile MPa or ordered by yield and tensile strength

		Min. tensile strength (MPa)					
		<440		440 < 540		≥540	
Min. thickness	Width	Processed**	Non-processed	Processed**	Non-processed	Processed**	Non-processed
>.057 - <.180	≤60 .0	0.500	1.500	0.750	2.250	1.000	2.500
	>60.0 - 72.0	0.750	2.250	1.125	3.375	1.500	3.500
	>72.0	1.000	3.000	1.500	4.500	1.750	4.750
.180 - <.230	≤60 .0	0.500	1.500	0.750	2.250	1.000	2.500
	>60.0 - 72.0	0.750	2.250	1.125	3.375	1.500	3.250
	>72.0	1.000	3.000	1.500	4.500	1.750	3.750
.230 - <.500	≤60 .0	0.750	1.500	0.875	2.250	1.000	2.500
	>60.0 - 72.0	0.875	2.250	1.000	3.000	1.500	3.250
	>72.0	1.000	3.000	1.188	3.500	1.750	3.750

** The term "Processed" includes coils that have been pickled and/or through an adequate flattening process such as: temper roll, tension level, stretcher level, cassette level, Z-Mill.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

SUPPLEMENTAL COLD-ROLLED FLATNESS SPECIFICATIONS

High-strength steels ordered by yield strength ksi

Min. thickness	Width	Min. yield strength (ksi)				Martensitic
		< 45	45 - 50	> 50 - 80	> 80	
≤.044	≤36.0	0.375	0.750	0.750	1.250	1.250
	>36.0 - 60.0	0.625	1.125	1.125	1.250	1.250
	>60.0	0.875	1.500	1.500		
>.044	≤36.0	0.250	0.750	0.750	1.250	1.250
	>36.0 - 60.0	0.375	0.750	0.750	1.250	1.250
	>60.0 - 72.0	0.625	1.125	1.125		
	>72.0	0.875	1.500	1.500		

Regular font based on ASTM A568.

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A568.

This table applies to lengths cut from coils by the consumer when adequate flattening measures are performed.

High-strength steels ordered by tensile strength MPa or ordered by yield and tensile strength

Min. thickness	Width	Min. tensile strength (MPa)			Martensitic
		< 440	440 - 590	< 590	
≤.044	≤36.0	0.375	0.750	1.250	1.250
	>36.0 - 60.0	0.625	1.125	1.250	1.250
	>60.0	0.875	1.500		
>.044	≤36.0	0.250	0.750	1.250	1.250
	>36.0 - 60.0	0.375	0.750	1.250	1.250
	>60.0 - 72.0	0.625	1.125		
	>72.0	0.875	1.500		

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A568.

This table applies to lengths cut from coils by the consumer when adequate flattening measures are performed.

General Claims Policy

Light Flat-rolled Products



Cleveland-Cliffs Steel LLC

SUPPLEMENTAL HOT-DIP COATED FLATNESS SPECIFICATIONS

Carbon Steels under 40 ksi yield		
		Min. yield strength (ksi)
Min. thickness	Width	<40
≤.048	≤36.0	0.375
	>36.0 - 60.0	0.625
	>60.0 - 72.0	0.875
>.048	≤36.0	0.250
	>36.0 - 60.0	0.375
	>60.0	0.625

Regular font based on ASTM A924.

This table applies to lengths cut from coils by the consumer when adequate flattening measures are performed.

High-strength steels ordered by yield strength ksi								
		Min. yield strength (MPa)						
Min. thickness	Width	SS40	SS50	HSLA40	HSLA50	HSLA55/60	HSLA70	HSLA80
≤.060	≤36.0	0.500	0.750	0.625	0.750	0.875	1.000	1.125
	>36.0 - 60.0	0.750	1.125	1.000	1.125	1.250	1.375	1.500
	>60.0	1.000	1.500	1.375	1.500	1.625	1.750	1.875
>.060	≤60.0	0.500	0.750	0.625	0.750	0.875	1.000	1.125
	>60.0	0.750	1.125	1.000	1.125	1.250	1.375	1.500

Regular font based on ASTM A924.

This table applies to lengths cut from coils by the consumer when adequate flattening measures are performed.

High-strength steels ordered by tensile strength MPa or ordered by yield and tensile strength					
		Min. tensile strength (MPa)			
Min. thickness	Width	440	590	780	980
≤.060	≤36.0	0.750	1.000	1.125	1.125
	>36.0 - 60.0	1.125	1.375	1.500	1.500
	>60.0	1.500	1.750		
>.060	≤60.0	0.750	1.000	1.125	1.125
	>60.0	1.125	1.375		

Values in **Bold** are for gauges/widths/strengths that are not accounted for in ASTM A924.

This table applies to lengths cut from coils by the consumer when adequate flattening measures are performed.

Apply the values from the higher-strength column for strength values falling between columns.