

COATING TEST LIMITS

Hot Dipped Zinc Coating

Coating Class	Minimum Check Limit Triple Spot				Minimum Check Limit Single Spot					
	Decimal Equivalents One Side		Total Both Sides Coating Weight		Decimal Equivalents One Side		Coating Weight			
	Inches	mm	oz/ft ²	g/m ²	Inches	mm	One Side oz/ft ²	One Side g/m ²	Total Both Sides oz/ft ²	Total Both Sides g/m ²
	50%	50%			40%	40%	40%	40%		
G01	None	None	None	None	None	None	None	None	None	None
G30	0.00026	0.00645	0.30	91.5	0.00017	0.00430	0.10	30	0.25	76
G40	0.00034	0.00860	0.40	122.1	0.00020	0.00516	0.12	37	0.30	92
G60	0.00051	0.01290	0.60	183.1	0.00034	0.00860	0.20	61	0.50	152
G90	0.00077	0.01935	0.90	274.3	0.00054	0.01376	0.32	98	0.80	244
G115	0.00098	0.02472	1.15	350.9	0.00068	0.01702	0.40	122	1.00	305
Z001	None	None	None	None	None	None	None	None	None	None
Z90	0.00025	0.00636	0.30	90	0.00016	0.00424	0.10	30	0.25	75
Z120	0.00033	0.00848	0.39	120	0.00020	0.00509	0.12	36	0.29	90
Z180	0.00050	0.01273	0.59	180	0.00033	0.00849	0.20	60	0.49	150
Z275	0.00076	0.01944	0.90	275	0.00052	0.01220	0.31	94	0.77	235
Z350	0.00097	0.02474	1.15	350	0.00067	0.01698	0.39	120	0.98	300
Z450	0.00125	0.03181	1.48	450	0.00086	0.02179	0.50	154	1.26	385
Z600	0.00167	0.04242	1.97	600	0.00114	0.02887	0.67	204	1.67	510
Z700	0.00195	0.04949	2.30	700	0.00133	0.03368	0.78	238	1.95	595

Zinc-Iron Alloy, Hot Dipped Zinc Annealed

Coating Class	Minimum Check Limit Triple Spot				Minimum Check Limit Single Spot					
	Decimal Equivalents One Side		Total Both Sides Coating Weight		Decimal Equivalents One Side		Coating Weight			
	Inches	mm	oz/ft ²	g/m ²	Inches	mm	One Side oz/ft ²	One Side g/m ²	Total Both Sides oz/ft ²	Total Both Sides g/m ²
A01	None	None	None	None	None	None	None	None	None	None
A25	0.00021	0.00538	0.25	76	0.00014	0.00344	0.08	24	0.20	61
A40	0.00034	0.00860	0.40	122	0.00020	0.00516	0.12	36	0.30	91
A60	0.00051	0.01290	0.60	183	0.00034	0.00860	0.20	61	0.50	152
ZF001	None	None	None	None	None	None	None	None	None	None
ZF75	0.00021	0.00530	0.25	75	0.00014	0.00340	0.08	24	0.20	60
ZF120	0.00033	0.00848	0.39	120	0.00020	0.00509	0.12	36	0.29	90
ZF180	0.00050	0.01273	0.59	180	0.00034	0.00849	0.20	60	0.49	150

Electro Galvanized, Heavy Coating (Includes former A591 Electro Galvanized items)

Coating Designation	Minimum Check Limit Triple Spot				Minimum Check Limit Single Spot			
	Decimal Equivalents One Side		Coating Weight		Decimal Equivalents One Side		Coating Weight	
	In.	mm	oz/ft ²	g/m ²	In.	mm	oz/ft ²	g/m ²
00Z 00G	No Coating		No Coating		No Coating		No Coating	
01Z 03G	0.000017 / 0.000085		0.00042 / 0.00212		0.01 / 0.05		3 / 15	
02Z 06G	0.000034 / 0.000136		0.00085 / 0.00354		0.02 / 0.08		6 / 25	
04Z 12G	0.000068 / 0.000170		0.00170 / 0.00424		0.04 / 0.10		12 / 30	
07Z 20G	0.000119 / 0.000221		0.00283 / 0.00566		0.07 / 0.13		20 / 40	
08Z 24G	0.000136 / 0.000272		0.00340 / 0.00637		0.08 / 0.16		24 / 45	
13Z 40G	0.000221 / 0.000391		0.00566 / 0.00996		0.13 / 0.23		40 / 70	
20Z 60G	0.000340 / 0.000510		0.00849 / 0.01274		0.20 / 0.30		60 / 90	
23Z 70G	0.000391 / 0.000612		0.00990 / 0.01556		0.23 / 0.36		70 / 110	
30Z 90G	0.000510 / 0.000731		0.01274 / 0.01840		0.30 / 0.43		90 / 130	
32Z 98G	0.000544 / 0.000782		0.01387 / 0.01981		0.32 / 0.46		98 / 140	

Note: **BOLD NUMBERS ARE FROM ASTM TABLES.** Flash-03G, 01Z; Intermediate-06G, 02Z; Full-12G, 04Z; Dbl.-24G, 08Z

CONVERSION FACTORS BETWEEN ZINC COATING WEIGHT [MASS] AND THICKNESS

COATING WEIGHT [MASS]

COATING THICKNESS

oz/ft ²	g/m ²	inches	mm
1.0	305.15	0.0017	0.043
0.00328	1.0	0.00000557	0.0001415
0.59	180.04	0.001	0.0254
590	180040	1.0	25.4
0.02316	7.14	0.0003937	0.001
23.16	7140	0.0397	1.0