

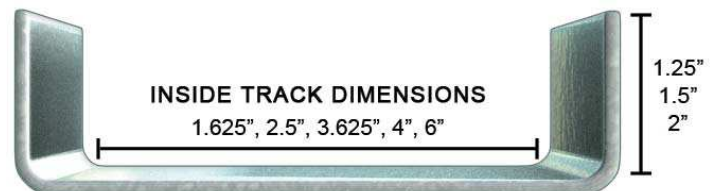
Material Composition

PrimeWall EQ Track is made of cold-formed steel coils conforming to ASTM A653/A 653M Structural Steel Grade 55 (380), with 55ksi (380MPa) minimum yield strength and 70ksi (480MPa) minimum tensile strength. Coating is G40 (Z120) hot-dipped galvanized, or equivalent conforming to ASTM C 645. Steel material with G60 and G90 coating are available upon request.

Physical Properties of Non-Standard Non-Structural CFS Framing Tracks																	
Section	Weight (lb/ft)	Design Thickness (in)	Gross Properties							Effective Properties			Torsional Properties				
			Area (in ²)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	S _y (in ³)	R _y (in)	I _{xe} (in ⁴)	S _{xe} (in ³)	M _{al} (in-k)	Jx1000 (in ⁴)	C _w (in ⁶)	X _o (in)	R _o (in)	β
162PWT125-19NS, 55ksi	0.277	0.02	0.081	0.040	0.048	0.703	0.014	0.016	0.412	0.026	0.023	0.76	0.011	0.006	-0.895	1.210	0.453
250PWT125-19NS, 55ksi	0.336	0.02	0.099	0.103	0.081	1.023	0.016	0.017	0.400	0.072	0.037	1.22	0.013	0.017	-0.782	1.349	0.664
250PWT150-19NS, 55ksi	0.370		0.109	0.119	0.094	1.047	0.026	0.024	0.489	0.075	0.037	1.21	0.015	0.028	-0.998	1.527	0.573
250PWT200-19NS, 55ksi	0.438		0.129	0.151	0.119	1.083	0.056	0.041	0.661	0.079	0.037	1.20	0.017	0.062	-1.446	1.924	0.435
362PWT125-19NS, 55ksi	0.413		0.121	0.241	0.132	1.411	0.018	0.018	0.381	0.156	0.054	1.78	0.016	0.041	-0.676	1.610	0.824
362PWT150-19NS, 55ksi	0.447	0.02	0.131	0.275	0.150	1.446	0.029	0.025	0.471	0.162	0.054	1.79	0.018	0.067	-0.875	1.754	0.751
362PWT200-19NS, 55ksi	0.515		0.151	0.341	0.186	1.501	0.064	0.043	0.648	0.172	0.054	1.79	0.020	0.146	-1.294	2.086	0.615
400PWT125-19NS, 55ksi	0.438		0.129	0.304	0.150	1.536	0.018	0.018	0.375	0.192	0.060	1.97	0.017	0.052	-0.647	1.708	0.856
400PWT150-19NS, 55ksi	0.472	0.02	0.139	0.344	0.170	1.575	0.030	0.026	0.464	0.200	0.060	1.98	0.019	0.085	-0.841	1.844	0.792
400PWT200-19NS, 55ksi	0.540		0.159	0.425	0.210	1.636	0.066	0.044	0.643	0.212	0.060	1.98	0.021	0.183	-1.251	2.157	0.664
600PWT125-19NS, 55ksi ⁵	0.574	0.02	0.169	0.802	0.266	2.180	0.020	0.019	0.343	0.449	0.090	2.96	0.023	0.133	-0.529	2.269	0.946
600PWT150-19NS, 55ksi ⁵	0.608		0.179	0.893	0.296	2.234	0.033	0.027	0.430	0.466	0.091	2.99	0.024	0.218	-0.699	2.380	0.914
600PWT200-19NS, 55ksi ⁵	0.677		0.199	1.074	0.356	2.324	0.074	0.046	0.608	0.497	0.092	3.03	0.027	0.472	-1.066	2.628	0.835

Table Notes

1. Section properties are in accordance with AISI S100-07.
2. Cold-work of forming is not included in calculations of properties.
3. The effective moment of inertia for deflection is calculated based on AISI S100-07 for serviceability determination.
4. The centerline bend radius is calculated for each section based on an inside bend radius R = 0.06 in.
5. Web depth-to-thickness ratio exceeds 260



PRIME STEEL 55 KSI