

PVC COATED GALVANIZED STEEL COIL FOR GUTTER

Description

PVC Coated Galvanized Steel Coil for Gutters is a gutter material made for fabrication into box, valley and eaves gutters for Commercial, Industrial, and multi-family residential buildings. The polymer coating provides excellent protection against harsh environments, especially corrosion resistance such as in marine environments and industrial areas with airborne chemicals.

Materials

The material core is hot-dip galvanized steel, which is coated with a chemical resistant polymeric resin layer on all sides. The resin is applied through an extrusion molding process and results in a 400 um (15.75 mil) thick layer surrounding the galvanized steel core. Steel core thicknesses range from 26, 24, 23, or 20 gauge (0.4, 0.5, 0.6 and 0.8 mm).

Sizes

- Gutter coil widths range from 11.8 inches to 47.2 inches (300mm to 1200 mm.)
- Standard Coil lengths are 300, 600, 900 and 1,200 feet.

Colors

The gutter materials comes in three color configurations: Black on both sides, Gray on both sides, or Black on one side and Gray on the other side. Both sides of the material can be used as the top or exposed side in an implementation.

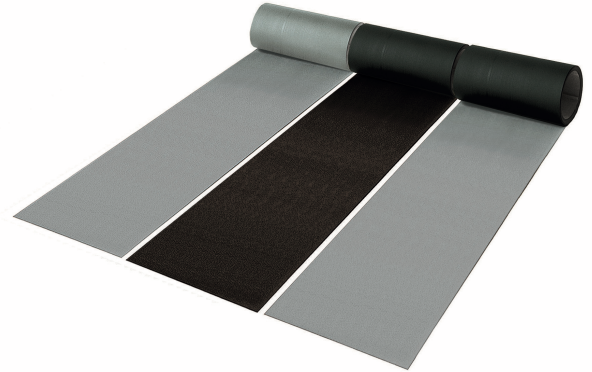
Standards

Tested in accordance with these standards: ASTM G155, ASTM B117, ASTM D3359, ASTM D638, ASTM D6110.

Manufacturing Certifications

This material is manufactured in facilities that have received and maintain the following certifications:

- ISO 9001 Quality Management Systems
- ISO 14001 Environmental Management Systems



Forming and Application of Material

- Industry standard equipment is used to fabricate PVC Coated Galvanized Steel for Gutter coil material.
- Coil material can be folded and roll formed in the same process as that for galvanized steel sheet.
- Fabrication equipment should be adjusted to handle the specific material thickness being formed.
- The flexibility of the coil material allows it to be fabricated even in below freezing temperatures. Minimum temperature for forming is 23° F / -5°C.
- When installing formed material, use stainless Steel rivets, bolts, screws, and other hardware to secure.
- Sealant should be applied to all seams to ensure a watertight installation.

Temperature

- Coils should be stored at temperatures less than 140°F.
- The material can withstand a maximum surface temperature limit of up to 176°F / 80°C for up to 12 hours. Surface temperature range of -4°F - 140°F / -20°C - 60°C.

Specification

Category	General Specification	Metric	Standard
Accelerated Tests	Accelerated Weathering, 4,500 hours, Cycle 1	No cracking, checking, crazing or blistering.	ASTM G155
	5% Salt Spray Corrosion Resistance, 1,000 hours continuous fog at 35oC +/- 3oC	No film removal, rust or blistering. No more than 1/64" creep from scribe.	ASTMB117
Physical Properties	Dry Coating Adhesion	No film removal or blistering.	ASTM D3359
	Tensile Strength - 0.6mm steel core material (23 gauge)	54,000 (psi)	ASTM D638

Sizes

Steel Core				PVC Coated Galvanized Steel for Gutter (Coils)														
Steel Core Gauge	Thick-ness		Width	Thick-ness	Material Width		Material Length		External diameter of Coil		Coil Weight (before packing)				Part Number			
	[mm]	[inch]			[mm]	[inch]	[m]	[ft.]	[mm]	[inch]	[kg/ m]	[kg/coil]	[lb/ ft.]	[lb./ coil]	Gray	Blac k	Gray / Blac k	
	26	0.4	600	23.6	1.2	602	23.7	92	3.00	631	24.8	2.58	237	1.73	520	KN1243CEX	KN1843CEX	KN3843CEX
183								6.00	733	28.9	472				1,040	KN1243FEX	KN1843FEX	KN3843FEX
276								9.00	825	32.5	712				1,560	KN1243JEX	KN1843JEX	KN3843JEX
366								1,200	904	35.6	944				2,080	KN1243MEX	KN1843MEX	KN3843MEX
914			36.0	917		36.1	92	3.00	631	24.8	3.93	362	2.64	792	KN1245CEX	KN1845CEX	KN3845CEX	
							183	6.00	733	28.9				719	1,585	KN1245FEX	KN1845FEX	KN3845FEX
							276	9.00	825	32.5				1,085	2,377	KN1245JEX	KN1845JEX	KN3845JEX
							366	1,200	904	35.6				1,438	3,169	KN1245MEX	KN1845MEX	KN3845MEX
1000			39.4	1002		39.4	92	3.00	631	24.8	4.30	396	2.89	867	KN1246CEX	KN1846CEX	KN3846CEX	
							183	6.00	733	28.9				787	1,734	KN1246FEX	KN1846FEX	KN3846FEX
							276	9.00	825	32.5				1,187	2,601	KN1246JEX	KN1846JEX	KN3846JEX
							366	1,200	904	35.6				1,574	3,467	KN1246MEX	KN1846MEX	KN3846MEX
1200		47.2	1202	47.3	92	3.00	631	24.8	5.16	475	3.47	1,040	KN1247CEX	KN1847CEX	KN3847CEX			
					183	6.00	733	28.9				944	2,080	KN1247FEX	KN1847FEX	KN3847FEX		
					276	9.00	825	32.5				1,424	3,121	KN1247JEX	KN1847JEX	KN3847JEX		
24	0.5	914	36.0	1.3	917	36.1	92	3.00	641	25.2	4.65	428	3.12	937	KN1255CEX	KN1855CEX	KN3855CEX	
							183	6.00	749	29.5				851	1,875	KN1255FEX	KN1855FEX	KN3855FEX
							276	9.00	846	33.3				1,283	2,812	KN1255JEX	KN1855JEX	KN3855JEX
							366	1,200	930	36.6				1,702	3,750	KN1255MEX	KN1855MEX	KN3855MEX
		1000	39.4		1002	39.4	92	3.00	641	25.2	5.02	462	3.37	1,012	KN1256CEX	KN1856CEX	KN3856CEX	
							183	6.00	749	29.5				919	2,024	KN1256FEX	KN1856FEX	KN3856FEX
							276	9.00	846	33.3				1,286	3,036	KN1256JEX	KN1856JEX	KN3856JEX
							366	1,200	930	36.6				1,837	4,048	KN1256MEX	KN1856MEX	KN3856MEX
	1200	47.2	1202		47.3	92	3.00	641	25.2	6.10	561	4.10	1,230	KN1257CEX	KN1857CEX	KN3857CEX		
						183	6.00	749	29.5				1,116	2,459	KN1257FEX	KN1857FEX	KN3857FEX	
						276	9.00	846	33.3				1,684	3,689	KN1257JEX	KN1857JEX	KN3857JEX	
23	0.6	914	36.0	1.4	917	36.1	92	3.00	650	25.6	5.34	491	3.59	1,076	KN1265CEX	KN1865CEX	KN3865CEX	
							183	6.00	764	30.1				977	2,153	KN1265FEX	KN1865FEX	KN3865FEX
							276	9.00	881	34.7				1,474	3,229	KN1265JEX	KN1865JEX	KN3865JEX
							366	1,200	866	34.1				1,954	4,306	KN1265MEX	KN1865MEX	KN3865MEX
		1200	47.2		1202	47.3	92	3.00	650	25.6	7.04	648	4.73	1,419	KN1267CEX	KN1867CEX	KN3867CEX	
							183	7.00	764	30.1				1,288	3,311	KN1267FEX	KN1867FEX	KN3867FEX
							276	1,000	881	34.7				1,943	4,731	KN1267JEX	KN1867JEX	KN3867JEX
20	0.8	914	36.0	1.6	917	36.1	92	3.00	668	26.3	6.80	626	4.57	1,371	KN1285CEX	KN1885CEX	KN3885CEX	
							183	6.00	794	31.3				1,244	2,742	KN1285FEX	KN1885FEX	KN3885FEX
							276	9.00	906	35.7				1,877	4,112	KN1285JEX	KN1885JEX	KN3885JEX
							366	1,200	1,002	39.4				2,489	5,483	KN1285MEX	KN1885MEX	KN3885MEX
		1200	47.2		1207	47.5	92	3.00	668	26.3	8.93	822	6.00	1,800	KN1287CEX	KN1887CEX	KN3887CEX	
							183	6.00	794	31.3				1,634	3,600	KN1287FEX	KN1887FEX	KN3887FEX
							276	9.00	906	35.7				2,465	5,401	KN1287JEX	KN1887JEX	KN3887JEX