posco



POSCO COATED STEEL (THAILAND) CO.,LTD.

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POSCO (formerly Pohang Iron and Steel Company) is a multinational steel-making company headquartered in Pohang, South Korea. It had an output of 39.1 million tones of crude steel in 2011, making it the world's fourth-largest steelmaker by this measure. In 2010, it was the world's largest steel manufacturing company by market value. Also, in 2012, it was named as the 146th world's largest corporations by the Fortune global 500.

POSCO currently operates two integrated steel mills in South Korea, in Pohang and Gwangyang. In addition, POSCO operates a joint venture with U.S. Steel, USS-POSCO, which is located in Pittsburg, California, United States.

POSCO's Headquarters, along with the POSCO Center, form the 'brain' of the company, overseeing major tasks, such as the management, planning, and finances of the steelworks at Pohang and Gwangyang. The construction of POSCO headquarters at 1 Goedong-dong, Nam-gu, Pohang, was completed on April 1, 1987, and has since become a structure that symbolizes the entire company.





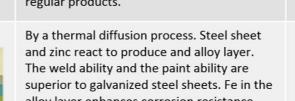
Continuous Galvanizing Line

Pre-cleaning

The cold-rolled coil passes through the pickling line,

(Galvannealed

	CGL		
	Appearance	Coating Type	
urface of zation is		Coating Weight	
		Coil Weight	
earance		Inside Diameter	



Characteristics

While molten zinc solidifies on the s the steel sheet, normal zinc crystalliz

By a thermal diffusion process. Steel sheet
and zinc react to produce and alloy layer.
The weld ability and the paint ability are
superior to galvanized steel sheets. Fe in the
alloy layer enhances corrosion resistance
after coating.

after	coating.
alloy	layer enhances corrosion resistance

suppressed creating fine crystals. after painting. Paint ability is superior to



after coating.
alloy layer enhances corrosion resistance



Coating Type	GI	GA		
Coating Weight	60-600 gsm (Both sides)	60-120 gsm (Both sides)		
Coil Weight	5.0 -30.0 MT			
Inside Diameter	508 mm & 610 mm			

Post Treatment	GI	GA
Cr-Free (NC)	Available	Available
Phosphate (SP)	Available	Available

Surface Finish	E7
Surface Fillish	0.7 - 1.3

where sodium hydroxide solution and electrolytic cleaning are used to remove surface contamination for its smooth surface finish before further processing.

Annealing

To obtain the desired grain structure and to improve the mechanical properties, the strip is passed through the furnace, heating, soaking and cooling sections.

Skin Pass Mill

In order to improve the mechanical properties, suppress yield point elongation, strip shape correction to secure the flat shape, to obtain desired roughness, the steel sheet should be pass through a skin pass mill.

Inspection

The equipment at the exit section are composed Surface Defect Detector that guarantee 100% inspection, Inspection table and Oiler equipment. The product are inspected and judged systematically, whether such products are appropriate to a client company or not.

Oil Code	Oil Type		
Н	Buhmwoo BW-90EG		
D	Buhmwoo BW-90BG		
S	Fuchs RP 4107S Antirust Oil		
R	Fuchs RP 4107A		
Р	Fuchs PL 3802-39S		

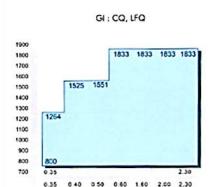
Mode	Quantity (mg/m²)	
Thin	200 – 800	
Light	800 – 1800	
General	1800 – 3000	
DOS-D	50 – 100	
DOS-S	20 – 50	
DOS-U	10 -20	

Mechanical Property

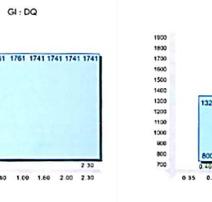
115	Grade	Class	Guaranteed value	0.2%YS, MPa	TS, MPa	El%
	KULTUKURUS SARAKA	CQ	TS	140-270	270	33
		LQ	TS	140-250	270	34
	Mild steel	DQ	TS	140-210	270	36
		DDQ	TS	140-180	270	38
		EDDQ	TS	130-180	270	44
		SEDDQ	TS	120-160	270	47
		340BH	TS	195-265	340	32
	HSS Bake Hardening	180YB	YS	180-240	270	40
		210YB	YS	210-270	340	38
		240YB	YS	240-300	340	36
C.Se		270YB	YS	250-330	390	35
	HSS Rephosphorized	340R	TS	185	340	35
		390R	TS	215	390	29
		440R	TS	245	440	26
4		490DP	TS	270-360	490	28
	AHSS Dual phase	590DP	TS	450	590	24
		780DP	TS	400-625	780	16
100		OSUDD	TC	580-850	080	Q ₋ 15

Galvanized Steel

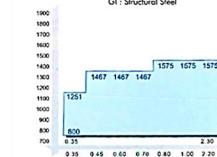












Galvanealed Steel

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