



## Excellent Durability

KG Steel EGI is “Non Cr (100% Cr Free)” product, excluding any hazardous substance such as Cr+6/Cr+3.



## Eco-friendly

The brand-new post treatment facility is designed to focus on “Eco-Friendly” concept. We produce and supply EGI within the restriction of hazardous substances (RoHS : EU ELV directive).



## Non-Cr / Phosphated EGI

Phosphated electrolytic galvanized iron, mainly for home appliance and painting feed of construction.



## Non-Cr / Phosphated & Anti-fingerprint EGI

First phosphated and organic coated electrolytic galvanized iron, excellent in antifinger print property, lubricity, corrosion resistance and paint ability. It is mainly used for home appliance and office equipment.

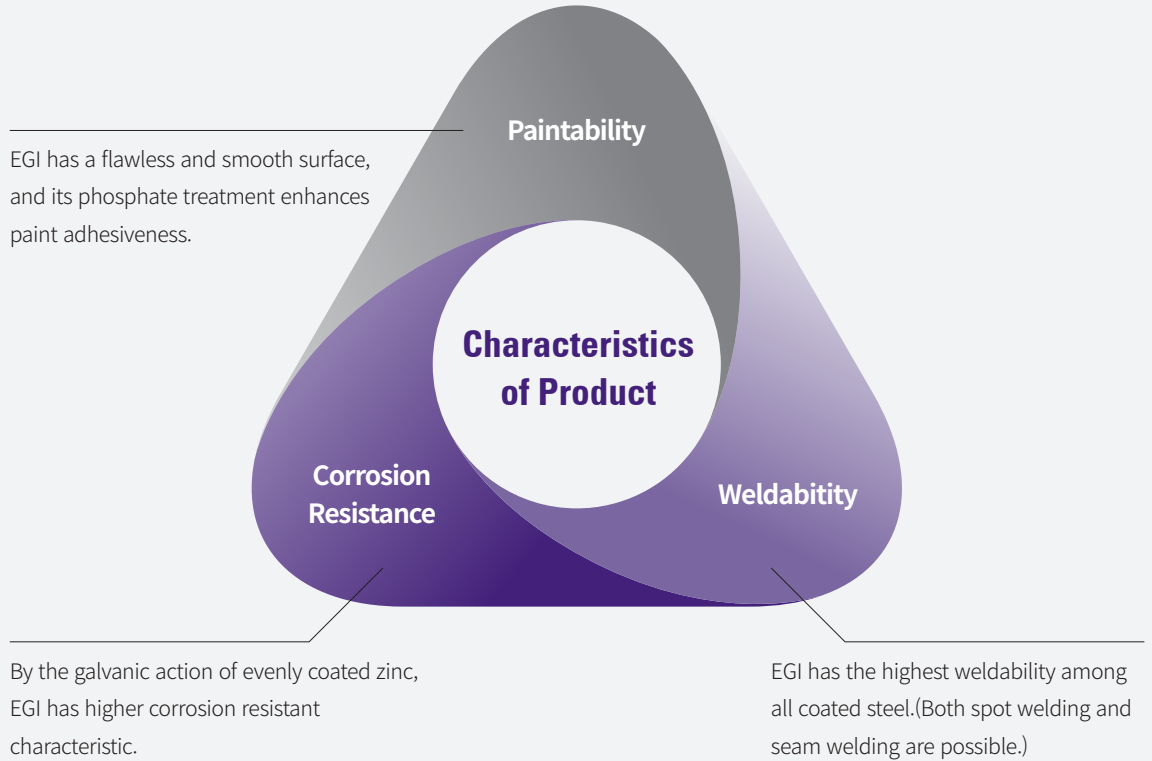


## Non-Cr / Zinc & Anti-fingerprint EGI

Organic coated electrolytic galvanized iron, excellent in anti-finger print property, lubricity and surface conductivity. It is mainly used for computer, LCD, Copy machine component.

## Electrolytic Galvanized Iron

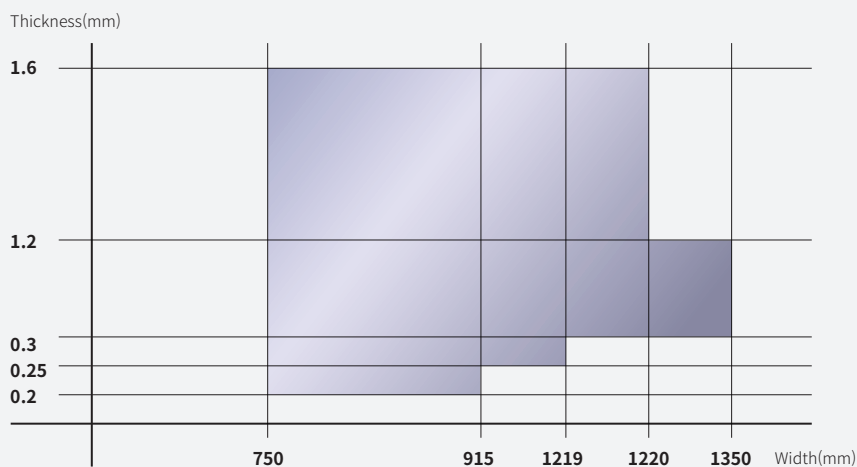
KG Steel is the 1st Korean mill to produce thickness down to 0.2mm(0.0079 inch) EGI : We are willing to contribute to society by localizing and building up competitiveness in related industries.



## Products with Zn Base Post-Galvanized

Products	Code	Galvanized Structure	Feature	uses
Non-treatment	X	Zn (3-50g/m <sup>2</sup> ) Steel	Non-treatment product does not provide guarantee of white rust and must be used immediately after delivery.	Pre-coated sheet
Oiled			This product has superior resistance to white rust, and can be oiled either separately or after phosphate treatment.	Home appliance
Pure-Zn Phosphated	P	P (1.5-2.5g/m <sup>2</sup> ) Zn (3-50g/m <sup>2</sup> ) Steel	This type of product is appropriate for the coating steel without pre-treatment. Processability could be decreased under the decline of the friction coefficient.	Home appliance, Construction material
AFP (Anti-finger print)	D	AFP (0.8-2.0g/m <sup>2</sup> ) P (1.5-2.5g/m <sup>2</sup> ) Zn (3-50g/m <sup>2</sup> ) Steel	Superior in corrosion resistance and processability, this product prevents the defects caused by fingerprint.	Home appliance, Office equipment
	A	AFP (1.0-1.5g/m <sup>2</sup> ) Zn (3-50g/m <sup>2</sup> ) Steel	This product is specialized for the uses which required both anti-fingerprint characteristic and conductivity.	Computer, LCD, Duplicating machine

## Size Availability



※ For less than 0.3T, please contact our sales team before ordering.

## Capacity

Division	Contents
Thickness	0.3 ~ 1.6mm
Width	750 ~ 1,350mm
Unit Coil Weight	Min. 2 ton / Max. 25 ton
Coating Weight	3/3g/m <sup>2</sup> ~ 24/24g/m <sup>2</sup>
Coil I.D.	508/610 Sleeve

## Limit Values of Toxic Substances Prescribed in RoHS & Product Test Results

Toxic substance	Prescribed limit value(ppm)	Product Test Result		
		Test Method	MDL(ppm)	Results
Cadmium(Cd)	75	USEPA3050B ICP-AES	0.5	N.D
Lead(pb)	1000	USEPA3052 ICP-AES	5	N.D
Mercury(Hg)	1000	USEPA3052 ICP-AES	2	N.D
Hexavalant Chromium(CrVI)	1000	USEPA3060 UV-Vis	1	N.D
Polybrominated Biphenyls(PBBs)	1000	USEPA3050C GC/MS	5	N.D
Polybrominated Diphenyl Ethers(PBDEs)	1000	USEPA3050C GC/MS	5	N.D

## Indication of Zinc Coating Weight

### KS / JIS Standard

Designation of Zn Coating Weight KS D 3528 / JIS G3313	Minimum Coating Weight of Zn(One Side)(g/m <sup>2</sup> )		Standard Coating Weight(g/m <sup>2</sup> )
	Both-side coating	One-side, differential coating	
E8	8.5	8	10
E16	17	16	20
E24	25.5	24	30
E32	34	32	40
E40	42.5	40	50

### ASTM Standard (A879)

Coating Designation <sup>c</sup>	SI Units, g/m <sup>2</sup>	
	Minimum	Maximum
00G	no coating	no coating
03G <sup>d</sup>	3	15
06G <sup>e</sup>	6	25
12G <sup>e</sup>	12	30
20G	20	40
24G <sup>e</sup>	24	45

### EN Standard

Designation of Zn Coating Weight (EN 10152)	Standard Coating Weight of Zn (per side)		Minimum Coating Weight of Zn (per side)	
	Thickness(μm)	Weight(g/m <sup>2</sup> )	Thickness(μm)	Weight(g/m <sup>2</sup> )
ZE25/25	2.5	18	1.7	12
ZE50/50	5.0	36	4.1	29
ZE75/75	7.5	54	6.6	47
ZE100/100	10.0	72	9.1	65

## Mechanical Properties

Div.	Pure-Zn (KS/JIS)	Bending Test		Mechanical Properties (Kgf/mm <sup>2</sup> ), (%)			Remarks
		Angle	Radius	YP	TS	EL	
Commercial quality	SECC			-	↗28	↗37(1.0 ~ 1.6t)	For lock forming
Drawing quality	SECD S	180°	Close adhesion	-	↗28	↗39(1.0 ~ 1.6t)	For drawing
Deep drawing quality	SECE(N)			-	↗28	↗40(0.6 ~ 1.0t)	For non-aging deep drawing