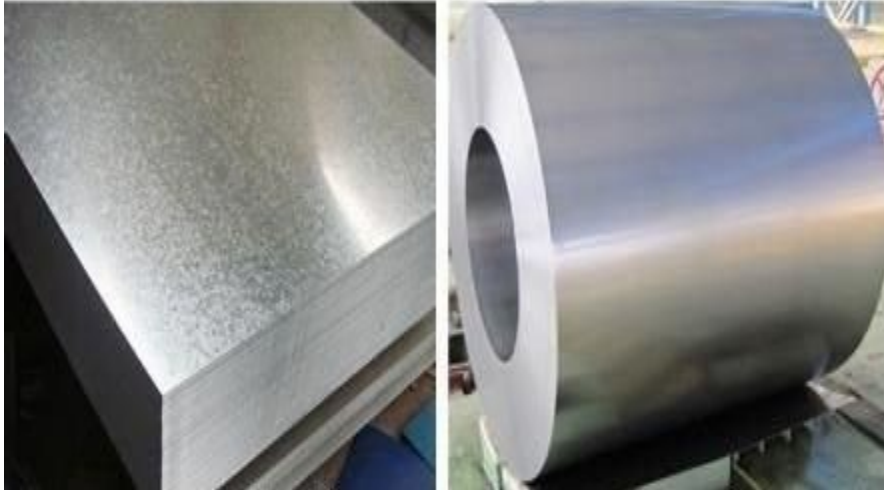


© Hot Dipped Galvanised Steel Coil(GI)



Hot-dip galvanized steel sheets (GI) are Produced by passing the full hard sheet which has undergone the acid washing process and rolling process through the zinc pot, thereby applying zinc film to the surface.

GI has a thicker galvanized layer which has excellent anti-corrosion qualities, and is the type of steel sheet used most commonly.

• Specification

Use	Standard				Tensile strength	(Elongation%)
	POSCO	KS	JIS	ASTM	(KGF/ mm ²)	
For general mild steel	CGCH	SGCH	SGCH	A526	28	–
For general use	CGCC	SGCC	SGCC	A527	28	–
For bending processing	CGCF	SGCD1	SGCD1	A528	28	34–38
For processing	CGCD	SGCD2	SGCD2	–	28	36–40
For trepanning	CGCP	SGCD3	SGCD3	A642	28	38–42
For non aging trepanning	CGCN	SGCD3N	SGCDSN	–	28	38–42
For non aging extra deep drawing	CGCE	–	–	–	28	40–44
Structural Purpose	CGC35.41 45,50,58	SGC35,41 45,50,58	SGC340, 400,490,570	18446GR A,B,C,D,E,F	35–58	20–16
High-tension steel	CGCHS35	–	–	–	35	28–36
	CGCHS40	–	–	–	40	25–33
	CGCHS45	–	–	–	45	23–29
	CGCHS50	–	–	–	50	21–25
	CGCHS60	–	–	–	60	17–18

• Product Features

Corrosion Resistance	<ul style="list-style-type: none">– The corrosion resistance of zinc depends on the property of the anticorrosive thin layer thereon.
Formability	<ul style="list-style-type: none">– Hot-dip galvanized steel sheet is frequently used to be painted as shown in the applications. Corrosion resistance after painting is much influenced by the type of steel sheet as well as pretreatments with the type of paints
Weldability	<ul style="list-style-type: none">– Since electrical conductivity of the zinc-coated layer is better than that of iron, electrical resistance is somewhat less at the contact surface between zinc layers and iron base sheet so that heat generation is more or less lower. Melting point of zinc is lower than that of iron. So, continuous weldability is somewhat lowered due to the fact that molten zinc tends to adhere onto the electrode.

• Surface Finish

TYPE/ CATEGORY	Characteristics	Applications	Coating Structure
Zero Spangle	- More minimized spangles than regular, with a beautiful gloss, suited for general painting applications	- Steel furniture & office equipment, painting	- Zn Steel
Ultra Smooth	- Extremely minimized spangles suited for special painting applications	- For painting steel furniture & office equipments, home electric applications	- Zn
Galvannealed	- Galvannealed steel sheet has a highly workable iron-zinc alloy layer. Good paint-adherence properties, corrosion resistance and weldability make them ideal for use in home electrical appliances and buildings	- Home electrical appliances (Washer, Microwave oven) Building materials, automobile parts, various fuel tanks	- Zn-Fe alloy layer Steel - Zn-Fe alloy layered