



### **FIXON**

- Fixon Inc.
- Chairman: Sungman Jung, PhD
- Established: September 1, 1994
- Products: Corrugated steel pipe / Corrugated steel plates Polymer laminated steel coil / Machinery
- No. of employees: 53
- Locations:

Corporate Office: Supsaemgil 129, Gwangyang, Jeonnam, Korea

Seoul Office: Ace Tower, Simindearo 36, Anyang Gyunggi

Factory #1: Singeum 1-gil, Industry Complex, Gwangyang

Factory #2: 56-56 Simyogil, Namwon, Jeonbuk



### **CS Pipe** Corrugated Steel Pipe



#### What is Corrugated Steel Pipe?

- ► The Best solution for drainage using high corrosion resistant Hot Galvanized Steel with enhanced strength from corrugation
- One integrated production line for the whole process of manufacturing pipes of 300~3,600mm diameter
- The larger diameter, the more economical cost of CS Pipe



### Hot Galvanized Steel (HGI) Coil > Specifications

#### Standard

JIS G 3302 SGHC Z600 (equivalent to ASTM A929)

#### Mechanical Properties

	Value	Unit	Remark
Yield Strength	270 <	MPa	
Tensile Strength	205 <	MPa	
Elongation	30 <	%	
Galvanizing	600 <	g/m²	Both sides

#### Size

Thickness: 1.6 ~ 3.5 mm

Width: 650 ~ 725 mm

Weight per coil package: 4,500 ~ 7,000 kg (upon client's request)



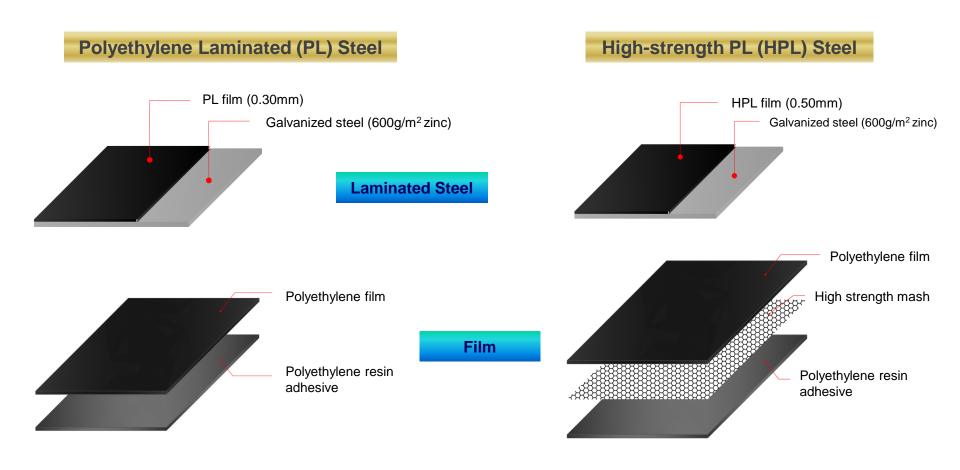
# Hot Galvanized Steel (HGI) Coil > Steel Mill Certificate

**■ Supplier: POSCO** 

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## Polyethylene Laminated (PL) Steel Coil





# Polyethylene laminated Steel

Test Comparison I

#### La Ratter Test





# **Polyethylene Laminated Steel**

### Test Comparison II

#### **■ Taber Abrasion Test**

Specimen Cycle	HIG600	DOW Trenchcoat	FIXON HPL
8000			(V2)
40,000	×		(1/2)
80,000	×	*	(%2)
<b>Results</b> (Magnification:x100)	Steel 4. $\mu$	Galvanising  Trenchcoat PE - Coated  Steel  24.12	Polycor HPL PE - Coated  Galvanising  Steel 296 µ





# **Galvanized CS Pipe**



- With 600g/M<sup>2</sup> zinc coating the service life is up to 75year: high corrosion resistance
- CS Pipe is the most popular solution for storm water drainage



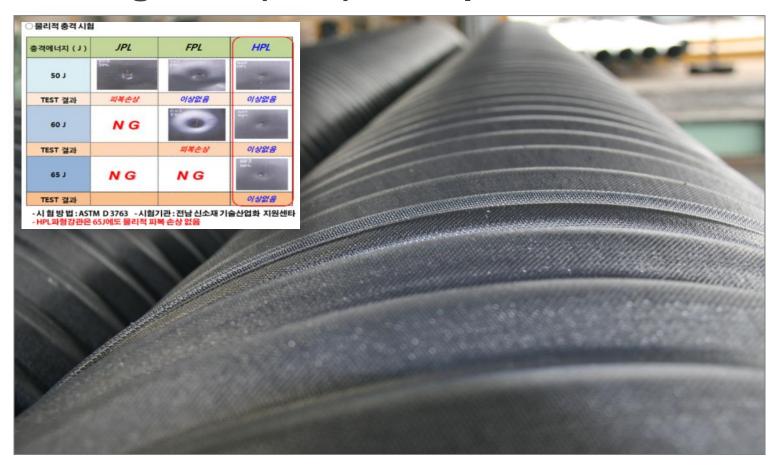
# Polyethylene Laminated (PL) CS Pipe



Polyethylene film coated CS Pipe for salty or contaminated land



# High-strength PL (HPL) CS Pipe



HPL CS Pipe is more than 2 times stronger than PL CS Pipe in shock-resistance with high strength mash in the polyethylene film



# Packaging & loading

- Water-proof export packaging with steel rim
- 4 rolls (20 ~ 25 MT) per 20ft container

#### **Container loaded**





## Competitiveness

### Quality

- POSCO's galvanized steel coil is world best
  - Consistent and stable zinc coating with no spangles
- Outstanding quality of Fixon's polymer laminated steel has been proved by various tests widely recognized in the industry

#### Price

Lowest price for the same quality products

### Delivery

- HGI: 5 to 6 weeks from order confirmed
- HPL/PL: 6 to 7 weeks from order confirmed / 150 MT per week
- Minimum order quantity: 20 MT each specification
- Lead time varies upon terms and conditions



# Polyethylene Film and Laminating Machine

#### HPL/PL Film

- Lead-time: 3 weeks from order confirmed
- Minimum order quantity: 4,000 kg each specification

### Laminating Machine

Laminating Capacity

Steel thickness: 1.4mm ~ 3.5mm

Coil width: 400 ~ 750mm

Production (8 hours): 50Mt/Day

- Lead-time: 4 months from order confirmed
- Video reference: <a href="https://youtu.be/SskEuRIDBF8">https://youtu.be/SskEuRIDBF8</a>





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