

SHANDONG SINO METAL CO., LTD

ADD: ROOM 6-2-502, AREA 1, MINGSHIHAOTING, SOUTH OF JINGSHI ROAD, EAST OF JIANGSHUIQUAN ROAD, LIXIA DISTRICT, JINAN  
 TEL: 0086-151-53480393, FAX: 0086-531-88996507

<b>PPGL - Mechanical Properties according to JIS Standard</b>							
Classified symbol	Yield Point	Tensile Strength	Elongation Minimum %				Application
			Nominal Thickness mm (t)				
JIS G3322-1998	Minimum N/mm2		0.25≤t<0.4	0.25≤t<0.4	0.4≤t<0.6	0.6≤t<1.0	
CGLCC	-205	-270	-20	-20	-21	-24	Commercial
CGLCD	---	270	---	---	27	31	Drawing
---	245	340	20	20	20	20	Structural
CGLC400	295	400	16	16	17	18	Structural
CGLC440	335	440	14	14	15	16	Structural
CGLC490	365	490	12	12	13	14	Structural
CGLC570	560	570	---	---	---	---	Structural

<b>PPGI - Mechanical Properties according to JIS Standard</b>							
JIS G3312-1994	Yield Point	Tensile Strength	Elongation Minimum %				Application
			Nominal Thickness mm (t)				
Classified symbol	N/mm2 Minimum		0.25≤t<0.4	0.4≤t<0.6	0.6≤t<1.0	1.0≤t<1.6	
SGCC	---	---	---	---	---	---	Commercial
SGCH	---	---	---	---	---	---	Commercial Hard
SGCD1	---	270	---	34	36	37	Drawing
SGC340	245	340	20	20	20	20	Structural
SGC400	295	400	18	18	18	18	Structural
SGC440	335	440	18	18	18	18	Structural
SGC490	365	490	16	16	16	16	Structural
SGC570	560	570	---	---	---	---	Structural

**PPGL & PPGI APPLICATIONS**

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### **BUILDING & STRUCTURAL ENGINEERING**

Roofing, sidings, sheds, rolling doors, rain proof doors, partitions, ceilings, fences and storerooms.

### **FURNITURE & OFFICE EQUIPMENT**

Steel furniture, partitions, window curtains, walls and shutters.

### **ELECTRICAL APPLIANCES & LIGHTING FITTINGS**

Washing machines, refrigerators, freezing chambers, fluorescent light housings, distribution boards, motor cases

### **KITCHEN EQUIPMENT**

Ovens, kitchen cabinets, washing tanks, kitchen utensils, shelves, bathroom and toilet equipment and cookers.

### **AGRICULTURAL EQUIPMENT**

Dryers and other agricultural equipment, greenhouses, silos, barns and warehouses.

### **TRANSPORTATION**

Air cleaners, various pipes, instrument boards for vessels, oil purifiers and instrument boards of cars.

### **BOX CONTAINER AND OTHERS**

Various kinds of vending machines, show windows, cans, compressed containers, store rooms and signal boards.

### **GAS & FUEL EQUIPMENT**

Heaters, gas ovens, oil tanks, water heaters and ducts.

## **PPGL & PPGI - PAINT COATING SYSTEMS**

### **CLASSIFICATION OF DURABILITY OF PAINT COATING AND DESIGNATIONS**

Classification of durability	Symbol	Paint coating system	Durability test	
			Duration of salt spray test	Duration of dew-cycle type accelerated weathering test (for reference)
Class 1	1	one-coat	200 hours	----
Class 2	2	two-coat	500 hours	----
Class 3	3	two-coat or more	2000 hours	1500 hours

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**PAINT COATING SYSTEMS AVAILABLE AS STANDARD**

Products	Front Side		Reverse Side
	Primer Coating	Finish Coating	
Polyester Coated	Epoxy Primer / Polyurethane Primer (PU)	Regular Polyester (PE)	Service Coating
Silicon Modified Polyester Coated		Silicon Modified Polyester (SMP)	
Polyvinylidene Fluoride Coated		Polyvinylidene Fluoride (PVDF)	
Super Low Gloss Polyester Coated		Super Modified Polyester	

