SHINPOONG **METAL COMPANY LIMITED** Korea's representive surface finishing material company SHINPOONG METAL PRODUCTS BROCHURE ShinPoong Metal Co., Ltd



KEEP TRYING UNTIL **TINY STONES BECOME A BIG ROCK**

ShinPoong Metal has been accumulating a plating technology and know-how for more than 40 years and has provided a variety of materials and chemical additives such as parts of an automobile, building materials, semiconductors, electronics-parts, and accessories which are required high purity and high precision through all over the industry. We also have been exporting our materials and products to all over the world.

We have focused on developing technology and increasing product's quality in order to consider customer value with this motto 'The best for the quality and technology.'

We move forward to become a global leader which provides intrinsic value to the customers. When our customers need 'materials', we let our customers come up with 'ShinPoong Metal' for the first time as we support highly-organized-service to the customers. ShinPoong Metal promises to dedicate greater effort in creating and innovating affluent future for our customers, stakeholders and humanity.

Thank you.

TECHNOLOGY INNOVATION COMPANY
CORE TECHNOLOGY SPECIALIZED COMPANY
YOUTH-FRIENDLY MIGHTY COMPANY
REPUTABLE COMPANY IN CORE MANUFACTURING





MANAGEMENT PRINCIPLES

CUSTOMER VALUE CREATION

Customer-First and substantive value delivery is the management principles of ShinPoong Metal company, which continuously works on implementing duty and responsibility for customers and maximizing customers satisfaction.



CUSTOMER FIRST



- Creativity&Innovation
- Humility&Ownership
- Challenge&Passion

VIRTUAL VALUE DELIVERY



- After Service
- Communication&Trust
- Healthy organization

JEONG-DO MANAGEMENT

ACTION PLAN FOR BASIC PRINCIPLES

Customer-First and substantive value delivery is the management principles of ShinPoong Metal company, which continuously works on implementing duty and responsibility for customers and maximizing customers satisfaction.

JEONG-DO MANAGEMENT



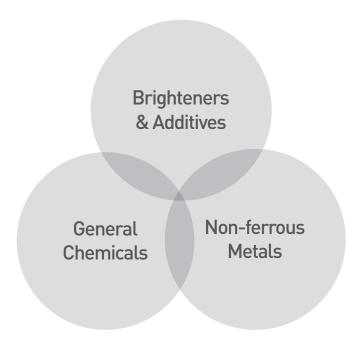
- Customer First
 - Honest w/ Customers Steady R&D
- Virtual Value Delivery

Excellent value delivery Superb brand value

SHINPOONG PRODUCTS SUMMARY



SUPPORT FOR CUSTOMERS PRODUCING PLATED PRODUCTS



Brighteners&Additives

Pre-treatment / Copper plating / Satin plating / Nickel plating / Zinc plating / Chrome plating / Hexavalent zinc chromate / Gold plating / Rhodium plating / Palladium plating / Remover / Post-treatment for precious metal plating

General Chemicals

Nickel sulfate / Nickel chloride / Copper sulfate / Boric acid / Chromic acid anhydride / Nickel sulfamate / Nickel bromide

Non-ferrous Metals

Electrolytic nickel / Crown nickel / D-crown nickel / Phosphorous copper / Electrolytic copper / Free-oxygen copper



PRE-TREATMENT

AKALI TYPE

PRODUCT NAME	PACKING UNIT	FEATURES
1010	20L	Alkali type liquid degreaser
1030	20kg	Alkali type immersion degreaser
1050	20kg	Electrophoretic degreaser for steel
1070	20kg	Anode & PR electrophoretic degreaser for steel
1090	20kg	Immersion & electrophoretic degreaser for all metals

ACID TYPE

PRODUCT NAME	PACKING UNIT		FEATURES	
1020	20L	Acid type degreaser		SP

ACID ACTIVATION

PRODUCT NAME	PACKING UNIT	FEATURES
AT-FD	25kg	Acid activation agent for all metals

CATALYST FOR PLASTIC

PRODUCT NAME	PACKING UNIT	FEATURES
CATA-2	20L	Catalyst for plastic plating
CATA-8	20L	Catalyst for plastic plating (high density)







COPPER ADDITIVES

1-TYPE COPPER SULFATE PLATING BRIGHTENER

PRODUCT NAME	PACKING UNIT	FEATURES
SP-95	20kg	High efficiency copper sulfate brightener

3-TYPE COPPER SULFATE PLATING BRIGHTENER

PRODUCT NAME	PACKING UNIT	FEATURES
CU-3000	20kg	Optimized efficiency copper sulfate brightener CU-3000 Mu / CU-3000 A / CU-3000 B

SATIN COPPER PLATING ADDITIVE

	PRODUCT NAME	PACKING UNIT	FEATURES
SIP	CUPRAMATT	5L	Satin copper additive CUPRAMATT A / CUPRAMATT B







NICKEL ADDITIVES

NICKEL PLATING BRIGHTENER FOR RACK

PRODUCT NAME	PACKING UNIT	FEATURES
GL-2000	20kg	1-type high efficiency nickel brightener(Barrel/rack) Ni-Carrier / GL-2000 / WA-129
GL-6000	20kg	High efficiency standard nickel brightener GL-6000 Carrier / GL-6000 / WA-129
GL-9000	20kg	High efficiency high gloss nickel brightener Ni-Carrier / GL-9000 / WA-129

NICKEL PLATING BRIGHTENER FOR BARREL

PRODUCT NAME	PACKING UNIT	FEATURES
GL-3500	20kg	High efficiency nickel brightener Ni-Basic / GL-3500 / WA-129

SEMI-BRIGHT NICKEL PLATING ADDITIVE

PRODUCT NAME	PACKING UNIT	FEATURES
SB-1	20kg	Semi-bright nickel additive

OTHER ADDITIVES FOR NICKEL PLATING

PRODUCT NAME	PACKING UNIT	FEATURES
WA-129	20kg	Wetting agent for preventing pits
ZC-1	5kg	Copper & zinc remover from nickel plating solution







COBALT PLATING LIQUID & ADDITIVES

HIGH CORROSION RESISTANCE TYPE FOR ACCESSORY & DECORATION

PRODUCT NAME	PACKING UNIT	FEATURES
Co-100 Mu	20L	Cobalt plating liquid
Co-100 A	20L	Metal additive
Co-100 B	20L	Additive B
Co-100 C	20L	Additive C

WHITE COLOR TYPE FOR ACCESSORY & DECORATION

PRODUCT NAME	PACKING UNIT	FEATURES
Co-100W Mu	20L	Cobalt plating liquid
Co-100W A	20L	Metal additive
Co-100W B	20L	Additive B
Co-100W S	20L	Special additives for adjusting liquid





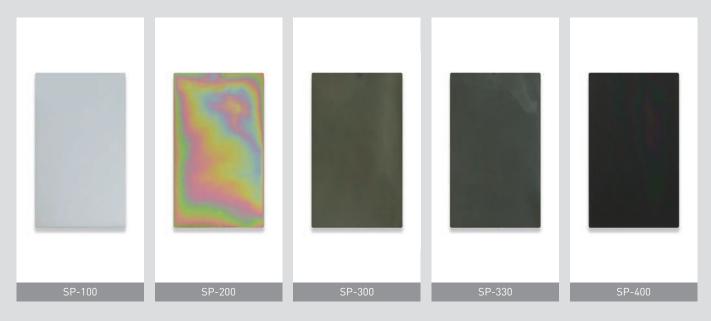
ZINC ADDITIVES

BRIGHTENERS

PRODUCT NAME	PACKING UNIT	FEATURES
Z-25	20kg	1-type zinc cyanide brightener
Z-69	20kg	2-type zinc chloride brightener Z-69 A / Z-69 B

CHROMATE FOR POST-TREATMENT

PRODUCT NAME	PACKING UNIT	FEATURES	
SP-100	20kg	6+ chromate additive(bluish-white)	
SP-200	20kg	6+ chromate additive(natural color)	
SP-300	25kg	6+ chromate additive(khaki color)	
SP-330	20kg	6+ chromate additive(dark khaki color)	
SP-400	25kg	6+ chromate additive(black) SP-400 A / SP-400 B	



PRECIOUS METAL LIQUID & ADDITIVES

ACID GOLD PLATING SOLUTION

PRODUCT NAME	PACKING UNIT	FEATURES
ACID GOLD PC-3	1 unit	24K (Co alloy)

RHODIUM PLATING SOLUTION

PRODUCT NAME	PACKING UNIT	FEATURES
Rhodium sulfate	100mL	Rhodium plating solution

PURE PALLADIUM PLATING SOLUTION FOR DECORATION

PRODUCT NAME	PACKING UNIT	FEATURES
PUR-Pd-LS	1L	PUR-Pd-LS/Conducting salt-Pd / Brightner-1 / Brightner-2

PALLADIUM-NICKEL ALLOY PLATING SOLUTION

PRODUCT NAME	PACKING UNIT	FEATURES
ALL Pd-LS	1L	ALL Pd-LS / ALL Ni-LS / PN-brightner

PASSIVATION FOR PRECIOUS METAL PLATING

PRODUCT NAME	PACKING UNIT	FEATURES
A-100	1L Immersion type with no Chrome	
A-100 prosalt	100g	Electrophoretic type with no Chrome Using with A-100
EAT-100	25kg	Electrophoretic type with Chrome













CHROME ADDITIVES

CHROME ADDITIVES

PRODUCT NAME	PACKING UNIT	FEATURES	
HR-CROM	20L	High speed hard chrome additive	
D-CHROM	5L	Chrome additive for decoration	
Black CHROM CONC	5L	Black chrome additive	

MIST INHIBITOR

PRODUCT NAME	PACKING UNIT		FEATURES	
FB-300	1L	Mist inhibitor		

DE-METALLIZATION

DE-METALLIZATION

PRODUCT NAME	PACKING UNIT	FEATURES	
DT-200	5L	De-matallization additive for gold plating	
Remover-C	20kg	De-metallization additive for nickel plating on copper & copper alloy substrates	
Remover-F	20kg	De-metallization additive for copper & nickel plating on iron & iron alloy substrates	
R-1	20L	De-metallization for stainless rack surface	





GENERAL CHEMICALS

GENERAL CHEMICALS FOR ELECTROPLATING

COPPER SULPHATE

PURITY	FEATURES
	Molecular formula: CuSO ₄ · 5H ₂ O
Cu: 25.3%	Shape: Blue crystal powder
	Usage: electroplating, chemical plating, electronic material etc.

NICKEL SULFATE

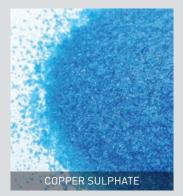
PURITY	FEATURES		
Ni: 22.2%	Molecular formula: NiSO ₄ · 6H ₂ O		
	Shape: Green powder		
	Usage: Nickel plating, coloring, catalyst, secondary battery, paint etc.		

NICKEL SULFAMATE

PURITY	FEATURES			
GP/ NEP/	Molecular formula: Ni(SO ₃ NH ₂) ₂ · 4H ₂ O			
Ni: 11.65%	Shape: Green liquid			
NI: 11.65%	Specific gravity: 1.55 (Ni: 180g/L)			
	Usage: Nickel electroforming, high speed plating etc.			

NICKEL BROMIDE

PURITY	FEATURES		
	Molecular formula: NiBr ₂		
	Shape: Green liquid		
Ni: 5.3%	Specific gravity: 1.196 (Ni: 60g/L)		
	Usage: Nickel plating.		
	NiBr ₂ can be substitute for NiCl ₂ in terms of reducing internal stress.		









GENERAL CHEMICALS

GENERAL CHEMICALS FOR ELECTROPLATING

NICKEL CHLORIDE

PURITY	FEATURES				
Ni: 24.5%	Molecular formula: $NiCl_2 \cdot 6H_2O$				
	Shape: Yellowish green powder				
	Usage: Nickel plating, preservative, catalyst etc.				

CHROMIC ACID ANHYDRIDE

PURITY	FEATURES
Over 99.7%	Molecular formula: CrO ₃
	Shape: Dark brown crystal powder
	Usage: Chrome electroplating, dyes, synthesis etc.



NON-FERROUS METALS

NICKEL

ELECTROLYTIC NICKEL

PRODUCT	PURITY	FEATURES
	99.98%	Square type: 1×1 , 2×2 , 4×4 inches Plate type: $10\times118\times720$ mm $10\times118\times360$ mm

CROWN NICKEL

PRODUCT	PURITY	FEATURES
Og Bridge of the State of the S	99.98%	Diameter: - 22mm - 10kg packing

D-CROWN NICKEL

PRODUCT	PURITY	FEATURES
	99.96%	Crown type: Ni + S(0.04%)
		Diameter: - 21mm - 10kg packing







NON-FERROUS METALS

COPPER

PHOSPHOROUS COPPER

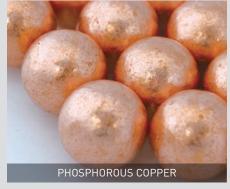
PRODUCT	PURITY	FEATURES
00	Cu: 99.96% P: 0.04%	Ball type(Diameter): 28mm, 38mm Plate type: Large - 20 × 125 × 700 mm Small - 20 × 125 × 400 mm

ELECTROLYTIC COPPER

PRODUCT	PURITY	FEATURES
	99.97%	Plate type: 10 × 130 × 700 mm 10 × 130 × 400 mm

FREE-OXYGEN COPPER

PRODUCT	PURITY	FEATURES	
	99.99%	Customized size Copper plating for high quality operation	







We provide our customers with substantive value through **strengthening ability to focus on core competencies in surface treatment field**

