



P O S C O C A T A L O G U E

전기아연도금

2001
POSCO



제조공정



Sheet 가

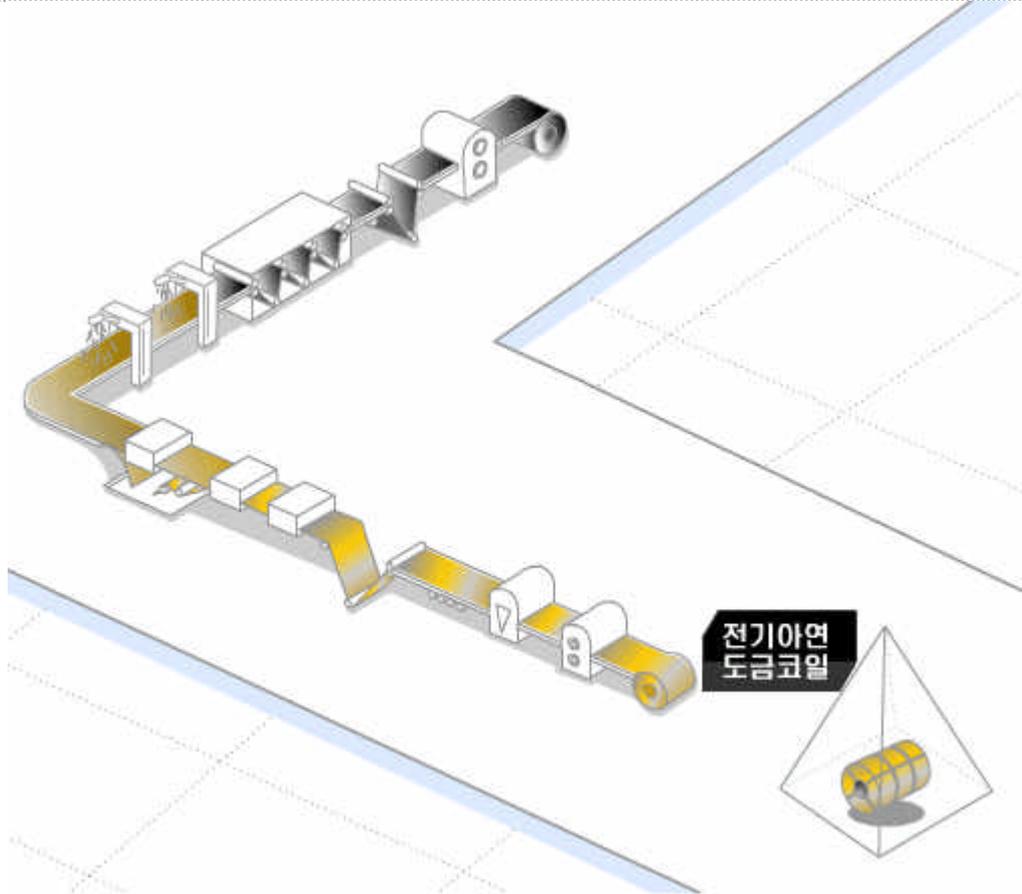
, 가

, 가

가

Pure-Zn, Zn-Fe, Zn-Ni, Teme

전기아연도금 제조공정 >> 포항제철의 전기아연도금강판은 최신설비와 기술로 생산되며 도장성과 내식성, 용접성, 가공성이 매우 우수합니다.





Pay Off Reel, , , Looper, Tension Leveller



Rinse Strip , ,



Carosel(Consumable Anode Radial One-Side Electro-Galvanizing Line) Type Conductor Roll , Pass Mode ,



, , , 가 .



Looper Tension Reel ,

용도소개



PURE Zn

() () ()	가 . 가
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Zn-Fe

SPOT ()	-Door Outer -Hood -Fender -Rear Floor
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Zn-Ni

	-Door Outer -Hood -Fender -Rear Floor
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TERNE SHEET

가 가 , Spot 가 ,	Radiator Support Radio Tuner TV Chassis
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제품규격

1. 가

	POSCO										JIS/KS	ASTM	
	Pure-Zn	Zn-Fe	Zn-Ni	Terne Sheet			YP (Kgf/mm ²)	TS (Kg/mm ²)	EL(%)	Er(mm)			
1	*EGS1	EFS1	ENS1	ETS1	180°		-	-	-	-		-	-
	EGSC	EFSC	ENSC	ETSC			-	28	37	9.3	가	SECC	A591-CQ
2	*EGSD	EFSD	ENSD	ETSD			-	28	28	9.5	가	SECD	A591-DQ
	EGSP	EFSP	ENSP	ETSP			-	28	40	9.9	가	-	-
3	EGSN	EFSN	ENSN	ETSN			-	28	40	9.9	가	SECE(N)	A591-DQSK
	EGSE	EFSE	ENSE	ETSE			-	28	46	10.3	가	-	-
	*EG34	-	EN34	-		1.5	24	34	22	-	(34kg)	-	-
	*EG37	-	EN37	-		2.0	(28)	37	20	-	(37kg)	-	-
	*EGCHSP 45C	EFCHSP 5C	ENCHSP 45C	-			28	45	26	-	(45kg)	-	-
	*EGCHSP 60C	EFCHSP 60C	ENCHSP 60C	-		1.0	36	60	17	-	(60kg)	-	-
	EGCHSP 35R	EFCHSP 35R	ENCHSP 35R	-			19	35	34	-	가 (35kg)	-	-
	EGCHSP 40R	EFCHSP 40R	ENCHSP 40R	-			23	40	31	-	가 (40kg)	-	-
	EGCHSP 35E	EFCHSP 35E	ENCHSP 35E	-			17	35	34	-	가 (35kg)	-	-
	EGCHSP 38E	EFCHSP 38E	-	-			21	38	33	-	가 (38kg)		
	*EGCHSP 80TR	EFCHSP 80TR	-	-	3.0	60	80	16	-		-	-	

-) * 가
- 1. ER 0.8t
- 2. () 가
- 3.

2.

1

가가
가

2

, 가 가 , 가

2

가 가

2

가 , 가

2

가 . 가가

2

가

3.

<POSCO >

2

/ (: 10/20)

2

/ (: 10/20)

2

, 0 .(: 10/20)
D

.(: 30/10D)

(:g/m²)

	(1)		(: μm)
		,	
3	2.6	-	0.4
5	4.3	4.0(가)	0.7
10	8.5	8.0	1.4
20	17.0	16.0	2.8
30	25.5	24.0	4.2
40	34.0	32.0	5.6
50	42.5	40.0	7.0
60	51.0	48.0	8.5
70	59.5	56.0	9.9
80	68.0	64.0	11.3

4. KS JIS



(:E16/E16)



(:E8/E16)

D

(:E8/E16D)

	(1)			(mm)/
		,		
EB	2.5	-	3	0
E8	8.5	8.0	10	0.001
E16	17.0	16.0	20	0.003
E24	25.5	24.0	30	0.004
E32	34.0	32.0	40	0.005
E40	42.5	40.0	50	0.006

) 1. 40g/m2

2.

7.1g/cm2

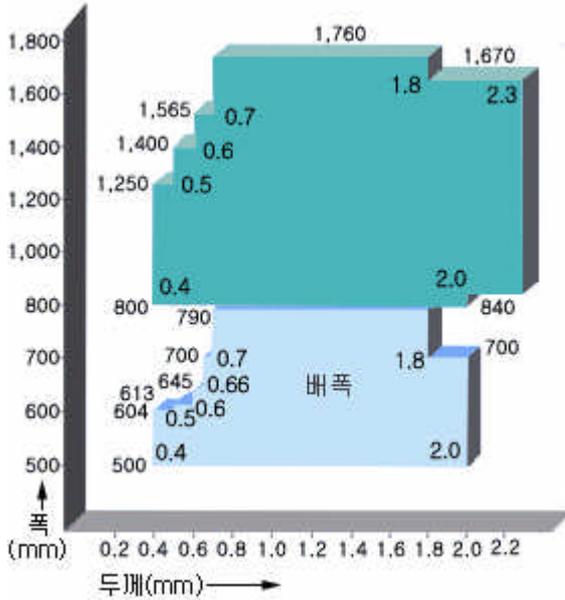
KS A 0021()

5. ASTM

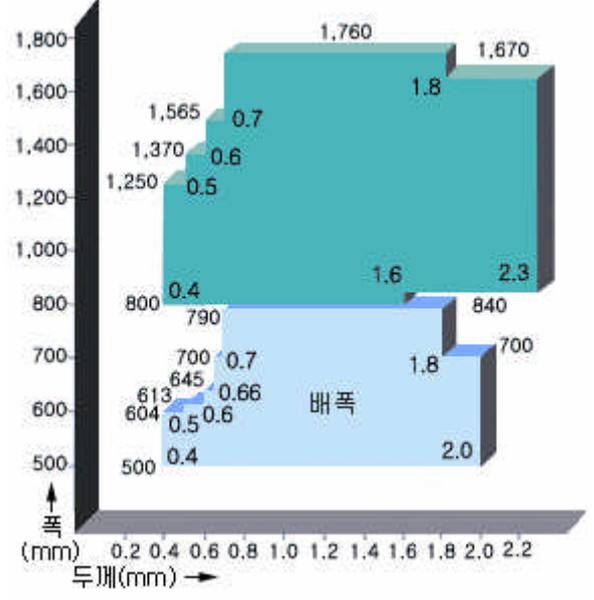
	(3)		(1)	
	()		()	
	oz/ft ²	g/m ²	oz/ft ²	g/m ²
A	-	-	-	-
B	0.08	24	0.07	22
C	0.16	48	0.15	45

본 제조가능 사이즈는 변경될 수 있으므로 주문시 반드시 제조가능 사이즈 조회로 확인하시거나 담당자와 협의바랍니다.

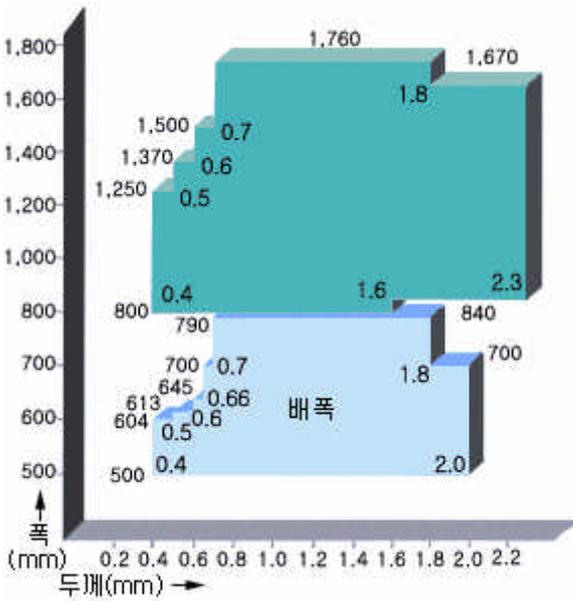
■ (CQ)



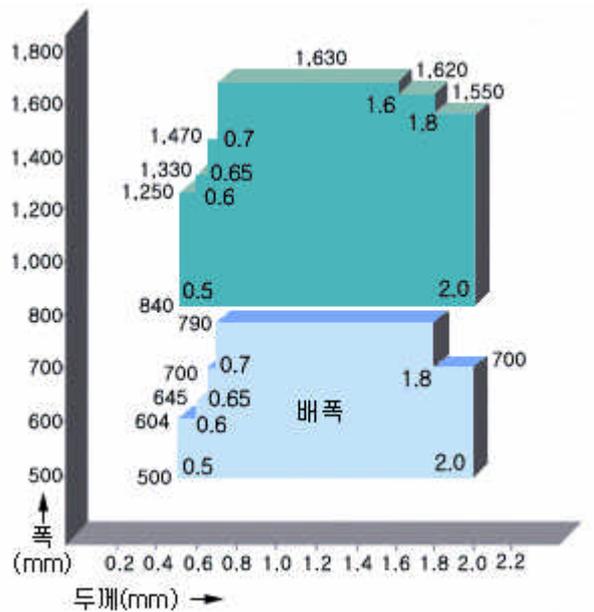
■ (DQ)



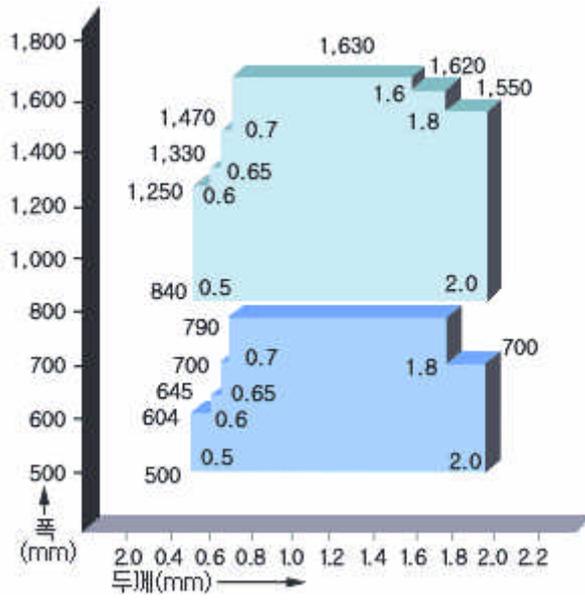
■ (DDQ)



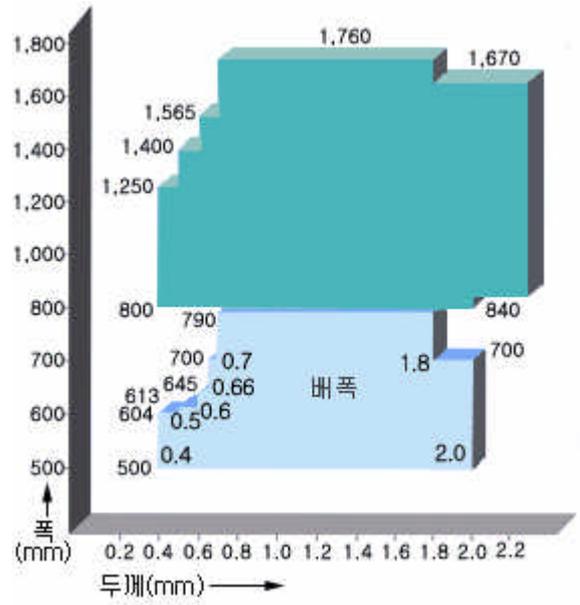
■ (EDDQ)



■ (TS KGF/mm)

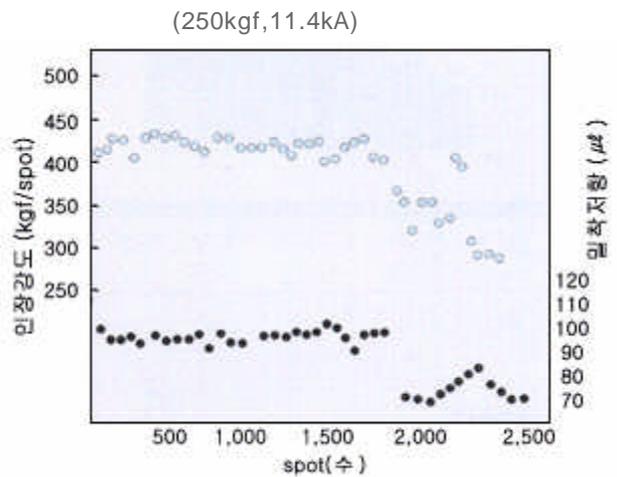
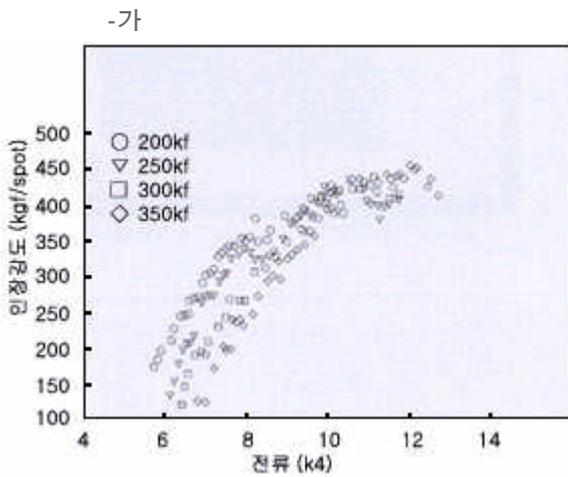


■ CQ

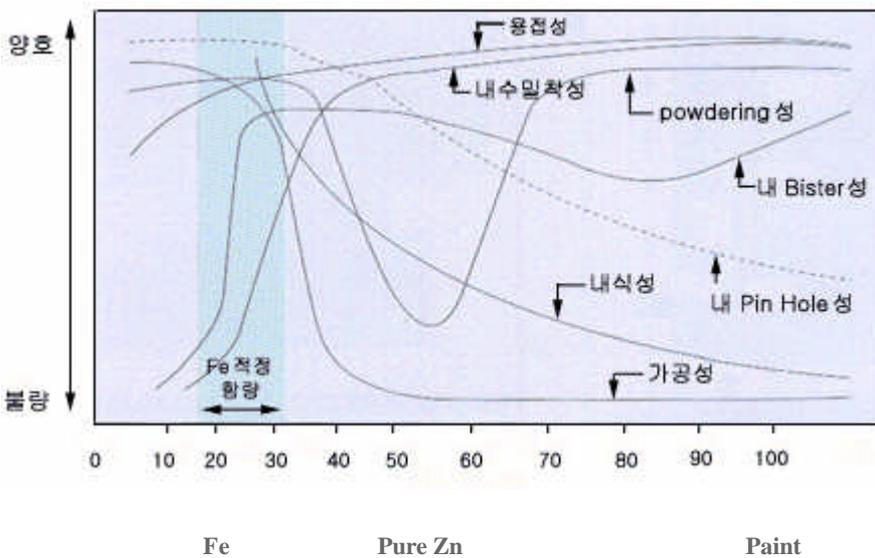


1. Pure Zn()

가	GI	GA	CR		
	가				
	Galvanic Action		(Zn Zn ⁺² +2e ⁻ , 2H ⁺ , +2e ⁻ H ₂)		
	가 가				
	Zn	가	CR	Spot	Seam
					가



2. Zn-Fe()

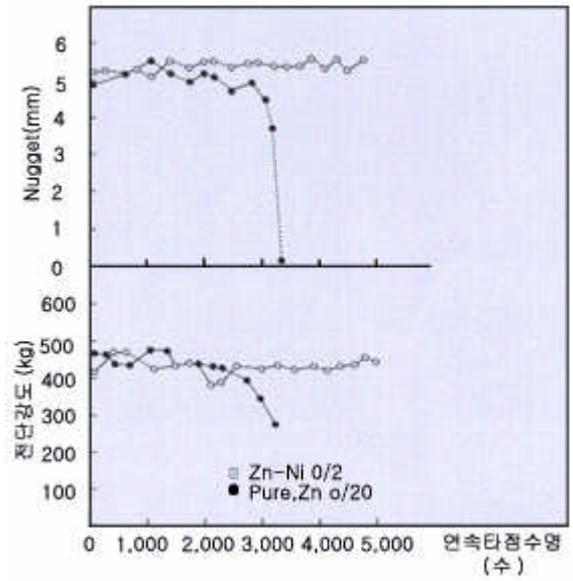
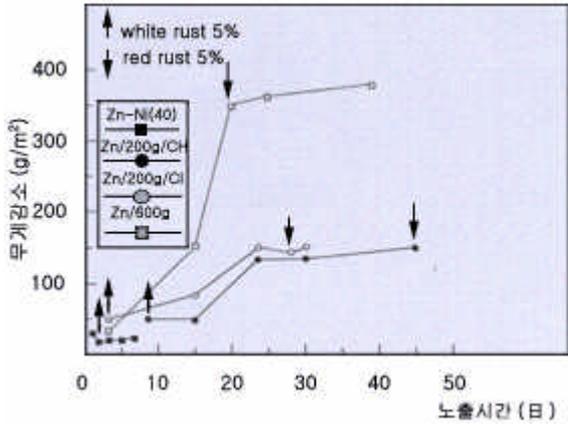


3. Zn-Ni ()

Ni 가 (NaCl, CaCl₂) Pure Zn () , Pure Zn 가

Zn-Ni

Pure Zn Zn-Ni

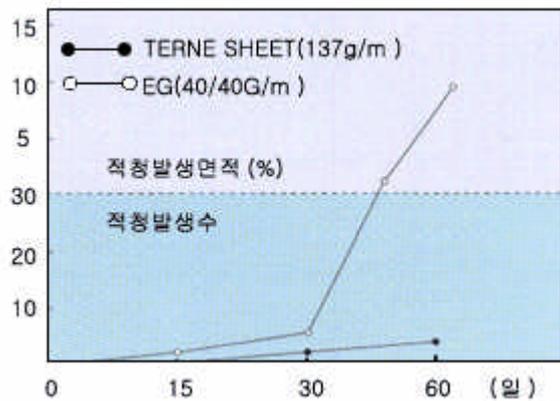
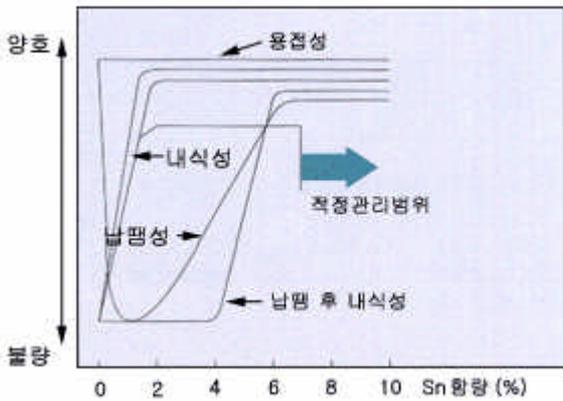


4. Terne Sheet (Pb-Sn ())

Pb-Sn Zn 가 Pb-Sn 가

Sn

가



5.

				가				
	PL	1 3g/m ²						
	(CL,EL)	5 15mg/m ²						
	(CH, EM, EH)	CL: SPRAY TYPE EI: CH (80 160mg/m ²) EM (45 65mg/m ²) EH (100 120mg/m ²) CH Spray Type EM.EH						가
	Cr (LD)	Cr 가 가 Cr:5 15mg/m ² Press :0.6 1.0μm						VTR Deck
	Cr (LH)	Cr 가 가 Cr:30 50mg/m ² Press :0.6 1.0μm						가
	(AD)	(0.5 1.1 μm)						, VTR Deck 가
	(OM)	耐 SCRAT (46~mg/m ²) (800~1,200mg/m ²)						Computer Frame & Body Compact Disk Fod
	(OP)	가 (0.5~3g/m ²) (800~1,200mg/m ²)						
	(NS)	40~60mg/m ² 400~700mg/m ²						VTR Deck 가
	(AH) (AM)	Cr AH Cr 30 60mg/m ² , AM Cr 80 160mg/m ² (0.5 1.1 μm)						VTR Deck 가

- 1. , ,
- 2.
- 3.AD AH LD LH :
- AM OP OM NS EL EM EH :

Cr
Zn
STEEL

- 4. ()
- 5. : (Test
- 6.

치수허용차

KS JIS
가

1.

(:mm)

\						
\		630	630 1,000	1,000 1,250	1,250 1,600	1,600
0.35	0.40	±0.04	±0.04	±0.04	-	-
0.40	0.60	±0.05	±0.05	±0.05	±0.06	-
0.60	0.80	±0.06	±0.06	±0.06	±0.06	±0.07
0.80	1.00	±0.07	±0.06	±0.07	±0.08	±0.09
1.00	1.25	±0.08	±0.07	±0.08	±0.09	±0.11
1.25	1.60	±0.09	±0.09	±0.10	±0.11	±0.13
1.60	2.00	±0.10	±0.11	±0.12	±0.13	±0.15
2.00	2.30	±0.12	±0.13	±0.14	±0.15	±0.17

-
- Edge 15mm
-

2. (Mill Edge)

(:mm)

\			
1,250		+7	0
1,250		+10	0

3.

(:mm)

\			
2,000		+10	0
2,000 4,000		+15	0
4,000 6,000		+20	0

4.

(:mm)

\			
1,000	12	8	6
1,000 1,250	15	9	8
1,250 1,600	15	11	8
1,600	20	13	9

()

5.

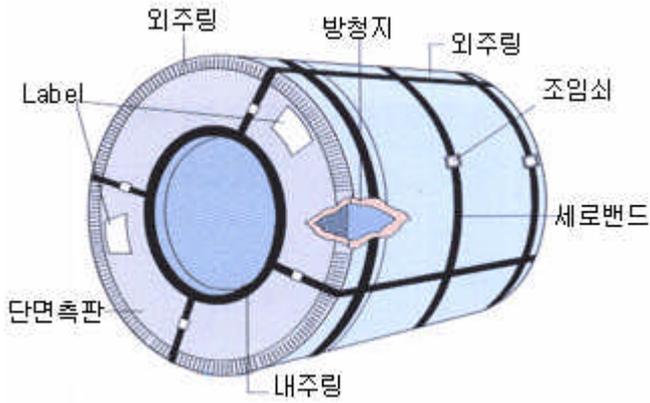
(:mm)

\			
	2,000	2,000	
630	4	2,000	4
630	2	2,000	2

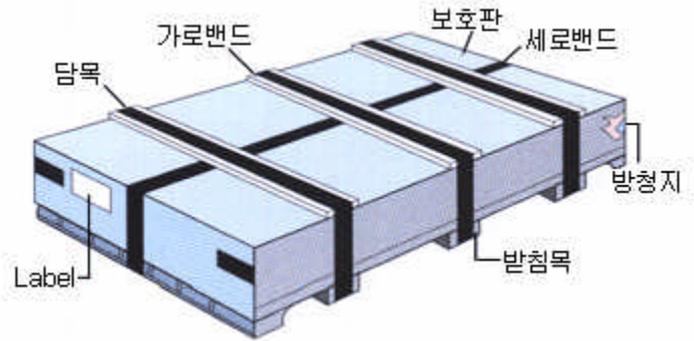
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제품포장 및 마킹

1.



2. Sheet



3.

