

# (GI)

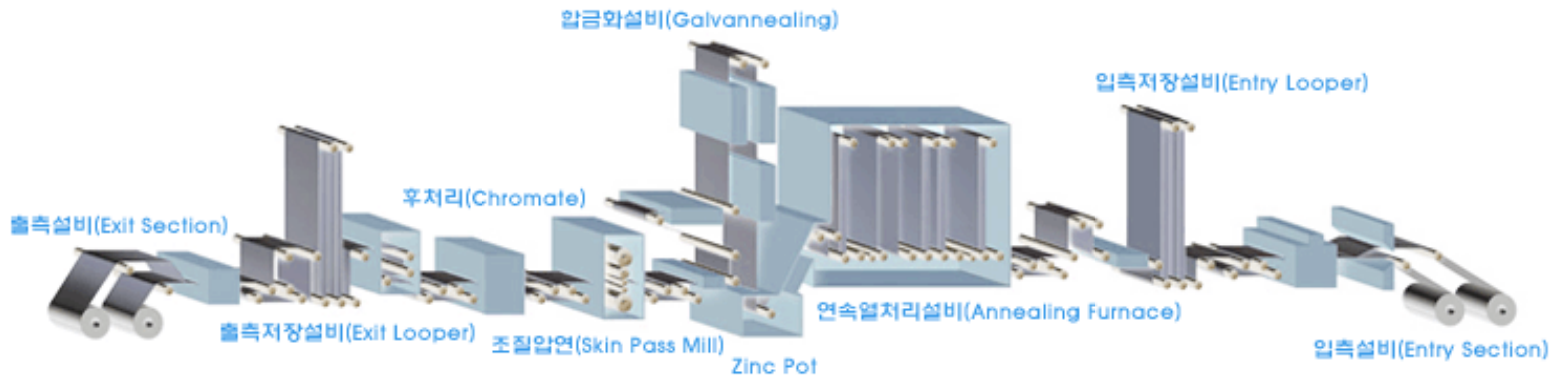
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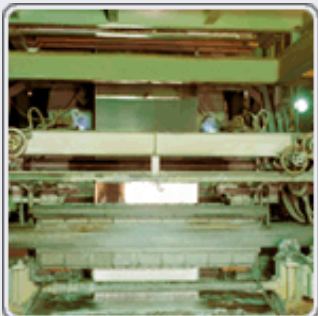


용융아연도금강판은 토목, 건축 뿐만 아니라 자동차 및 가전제품 등 여러 산업분야로 그 사용범위가 점차 확대되고 있습니다.

현대하이스코의 용융아연도금강판은 내식성이 뛰어난 뿐만 아니라 성형성, 용접성, 도장성등이 매우 우수하여 고객의 사용용도에 적합한 품질특성을 가지고 있습니다.

현대하이스코는 보다 우수한 제품을 생산하기 위해 계속 노력할 것입니다.





ZINC POT

,

AIR KNIFE



TYPE

,

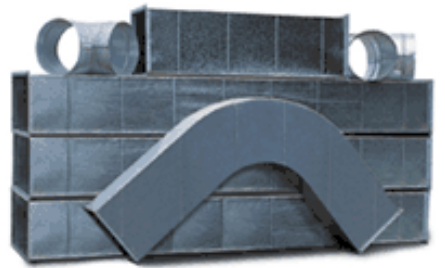
INDUCTION



|            |  |                          |
|------------|--|--------------------------|
|            |  | 440,000 /                |
|            |  | 0.23~2.3mm               |
|            |  | 700~1860mm               |
|            |  | MAX 35                   |
|            |  | 508 / 610mm              |
| LINE SPEED |  | 180mpm                   |
|            |  | : 60~720g/m <sup>2</sup> |
|            |  | /ALL RADIANT TUBES       |
| POT        |  | DUAL POT(Pb-LESS/Pb)     |
|            |  | Air Wiping System        |
| GA FURNACE |  | 가                        |
| (SKP)      |  | 5Hi WET/DRY SKIN TYPE    |
|            |  | ,                        |
|            |  | ,                        |
|            |  | ,                        |



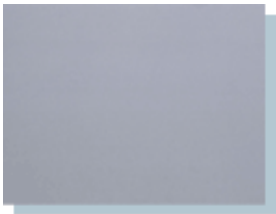
|     |                                            |             | 가 ,<br>,        |
|-----|--------------------------------------------|-------------|-----------------|
|     | <div>Zn<br/>STEEL<br/>Zn</div>             | 가           |                 |
| ( ) |                                            | ,           | 가 ,<br>가 ,<br>, |
|     | <div>Zn-Fe합금층<br/>STEEL<br/>Zn-Fe합금층</div> | ·<br><br>Fe | 가 ,             |



- 
- 가



( )



- 가
- 가
- 
- 



- 
- 가

|   |             | (kg/mm <sup>2</sup> ,<br>N/mm <sup>2</sup> ) | (TS,<br>kg/mm <sup>2</sup> ,<br>N/mm <sup>2</sup> ) | (Elongation, %) |               |               |               |               |
|---|-------------|----------------------------------------------|-----------------------------------------------------|-----------------|---------------|---------------|---------------|---------------|
|   |             |                                              |                                                     | 0.25 ≤ t < 0.4  | 0.4 ≤ t < 0.6 | 0.6 ≤ t < 1.0 | 1.0 ≤ t < 1.6 | 1.6 ≤ t < 2.3 |
|   | GI (A)CC    |                                              |                                                     |                 |               |               |               |               |
| 가 | GI (A)CF    |                                              |                                                     |                 |               |               |               |               |
| 가 | GI (A)CD    |                                              | 270                                                 |                 | 34            | 36            | 37            | 38            |
| 가 | GI (A)CDD   |                                              |                                                     |                 | 36            | 38            | 39            | 40            |
| 가 | GI (A)CDDN  |                                              |                                                     |                 | 38            | 40            | 41            | 42            |
| 가 | GI (A)CE    |                                              |                                                     |                 | 40            | 42            | 43            | 44            |
|   | GI (A)CS35  | 245                                          | 340                                                 | 20              |               |               |               |               |
|   | GI (A)CS41  | 295                                          | 400                                                 | 18              |               |               |               |               |
|   | GI (A)CS45  | 335                                          | 440                                                 | 18              |               |               |               |               |
|   | GI (A)CS50  | 365                                          | 490                                                 | 16              |               |               |               |               |
|   | GI (A)CHS58 | 560                                          | 570                                                 | -               |               |               |               |               |
|   | GI (A)CHS35 | (20)                                         | (35)                                                | 28              | 30            | 32            | 34            | 36            |
|   | GI (A)CHS40 | (23)                                         | (40)                                                | 25              | 27            | 29            | 31            | 33            |
|   | GI (A)CHS45 | (32)                                         | (45)                                                | 23              | 25            | 27            | 28            | 29            |
|   | GI (A)CHS50 | (34)                                         | (50)                                                | 21              | 22            | 23            | 24            | 25            |
|   | GI (A)CHS60 | (40)                                         | (60)                                                | 16              | 17            | 18            | 18            | 18            |

|   |        | (N/mm <sup>2</sup> ) | (TS,<br>N/mm <sup>2</sup> ) | (Elongation, %) |               |               |               |               |       |
|---|--------|----------------------|-----------------------------|-----------------|---------------|---------------|---------------|---------------|-------|
|   |        |                      |                             | 0.25 ≤ t < 0.4  | 0.4 ≤ t < 0.6 | 0.6 ≤ t < 1.0 | 1.0 ≤ t < 1.6 | 1.6 ≤ t < 2.5 | 2.5 < |
|   | SGCC   |                      |                             |                 |               |               |               |               |       |
|   | SGCH   |                      |                             |                 |               |               |               |               |       |
| 가 | SGCD1  |                      | 270                         |                 | 34            | 36            | 37            | 38            |       |
|   | SGCD2  |                      |                             |                 | 36            | 38            | 39            | 40            |       |
|   | SGCD3  |                      |                             |                 | 38            | 40            | 41            | 42            |       |
|   | SGC340 | 245                  | 340                         | 20              |               |               |               |               |       |
|   | SGC400 | 295                  | 400                         | 18              |               |               |               |               |       |
|   | SGC440 | 335                  | 440                         | 18              |               |               |               |               |       |
|   | SGC490 | 365                  | 490                         | 16              |               |               |               |               |       |
|   | SGC570 | 560                  | 570                         | -               |               |               |               |               |       |

SGCD3

N

SGCD3

## GI

|   | HYSCO      | KS(KS D 3506) | JIS(JIS G 3302) | HMC      | KMC     |
|---|------------|---------------|-----------------|----------|---------|
|   | GI(A)CC    | SGCC          | SGCC            | SGACC    | SCP1M   |
| 가 | GI(A)CF    | SGCD1         | SGCD1           |          |         |
| 가 | GI(A)CD    | SGCD2         | SGCD2           | SGACD    | SCP2M   |
| 가 | GI(A)CDD   | SGCD3         | SGCD3           | SGACEN   | SCP3M   |
| 가 | GI(A)CDDN  | (SGCD3N)      | (SGCD3N)        |          |         |
| 가 | GI(A)CE    |               |                 | SGACUD   | SCP3CM  |
|   | GI(A)CS35  | SGC340        | SGC340          |          |         |
|   | GI(A)CS41  | SGC400        | SGC400          |          |         |
|   | GI(A)CS45  | SGC440        | SGC440          |          |         |
|   | GI(A)CS50  | SGC490        | SGC490          |          |         |
|   | GI(A)CS58  | SGC570        | SGC570          |          |         |
|   | GI(A)CHS35 |               |                 | SGARC35  | SHCP35M |
|   | GI(A)CHS40 |               |                 | SGARC40E | SHCP40M |
|   | GI(A)CHS45 |               |                 |          |         |
|   | GI(A)CHS50 |               |                 |          |         |
|   | GI(A)CHS60 |               |                 |          |         |



( : mm)

|                 | w < 630 | 630 ≤ w < 1000 | 1000 ≤ w < 1250 | 1250 ≤ w < 1600 | 1600 ≤ w |
|-----------------|---------|----------------|-----------------|-----------------|----------|
| t < 0.25        | ± 0.04  | ± 0.04         | ± 0.04          | -               | -        |
| 0.25 ≤ t < 0.40 | ± 0.05  | ± 0.05         | ± 0.05          | ± 0.06          | -        |
| 0.40 ≤ t < 0.60 | ± 0.06  | ± 0.06         | ± 0.06          | ± 0.07          | ± 0.08   |
| 0.60 ≤ t < 0.80 | ± 0.07  | ± 0.07         | ± 0.07          | ± 0.08          | ± 0.09   |
| 0.80 ≤ t < 1.00 | ± 0.08  | ± 0.08         | ± 0.09          | ± 0.10          | ± 0.11   |
| 1.00 ≤ t < 1.25 | ± 0.09  | ± 0.09         | ± 0.10          | ± 0.11          | ± 0.13   |
| 1.25 ≤ t < 1.60 | ± 0.10  | ± 0.11         | ± 0.12          | ± 0.13          | ± 0.16   |
| 1.60 ≤ t < 2.00 | ± 0.11  | ± 0.12         | ± 0.13          | ± 0.15          | ± 0.17   |
| 2.00 ≤ t < 2.3  | ± 0.13  | ± 0.14         | ± 0.15          | ± 0.17          | ± 0.19   |



( : mm)

|  |  | Z06   | Z08   | Z10   | Z12   | Z18   | Z20   | Z22   | Z25   | Z27   | Z35   | Z45   | Z60   |
|--|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  |  | 0.013 | 0.017 | 0.021 | 0.026 | 0.034 | 0.040 | 0.043 | 0.049 | 0.054 | 0.064 | 0.080 | 0.102 |



( : mm)

|      | ( )    |
|------|--------|
| 1500 | 0, +7  |
| 1500 | 0, +10 |



( : mm)

| 0, +10 |
|--------|

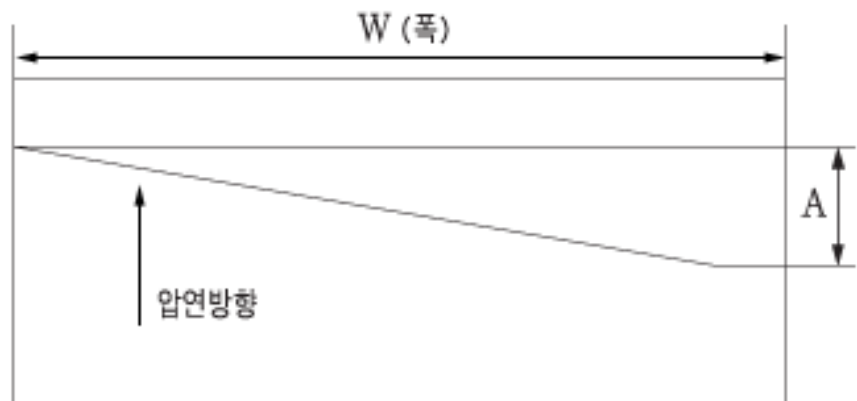


( : mm)

|     | 2000 | 2000 |   |  |
|-----|------|------|---|--|
| 630 | 4    | 2000 | 4 |  |
| 630 | 2    | 2000 | 2 |  |



[     ]  $A/W \times 100(\%)$   
 , 1%



( : mm)

|                      | (WAVE) | (EDGE WAVE) | (CENTER WAVE) |
|----------------------|--------|-------------|---------------|
| $w < 1000$           | 12     | 8           | 6             |
| $1000 \leq w < 1250$ | 15     | 10          | 8             |
| $1250 \leq w < 1600$ | 15     | 12          | 9             |
| $1600 \leq w$        | 20     | 14          | 10            |



( ) ( : g/m<sup>3</sup> )

|   |     | 3   | 1   | ( )       |            |
|---|-----|-----|-----|-----------|------------|
|   |     |     |     | KS D 3506 | JIS G 3302 |
| G | 040 | 40  | 34  | F04       | F04        |
|   | 060 | 60  | 51  | Z06, F06  | Z06, F06   |
|   | 080 | 80  | 68  | Z08, F08  | Z08, F08   |
|   | 090 | 90  | 77  | -         | -          |
|   | 100 | 100 | 85  | Z10, F10  | Z10, F10   |
|   | 120 | 120 | 102 | Z12, F12  | Z10, F12   |
|   | 150 | 150 | 136 | -         | -          |
|   | 180 | 180 | 153 | Z18, F18  | Z18, F18   |
|   | 200 | 200 | 170 | Z20       | Z20        |
|   | 220 | 220 | 187 | Z22       | Z22        |
|   | 250 | 250 | 213 | Z25       | Z25        |
|   | 275 | 275 | 234 | Z27       | Z27        |
|   | 300 | 300 | 255 | -         | -          |
|   | 350 | 350 | 298 | Z35       | Z35        |
|   | 450 | 450 | 383 | Z45       | Z45        |
|   | 500 | 500 | 426 | -         | -          |
|   | 600 | 600 | 510 | Z60       | Z60        |

1)

'G'

'F'

200

2)

3

3

3)

1

3

4)



|  |  |                   |    |
|--|--|-------------------|----|
|  |  |                   |    |
|  |  | Regular Spangle   | SR |
|  |  | Minimized Spangle | SM |
|  |  |                   | SG |
|  |  |                   | D  |



|  |    |
|--|----|
|  |    |
|  | CL |
|  | CM |
|  | CH |

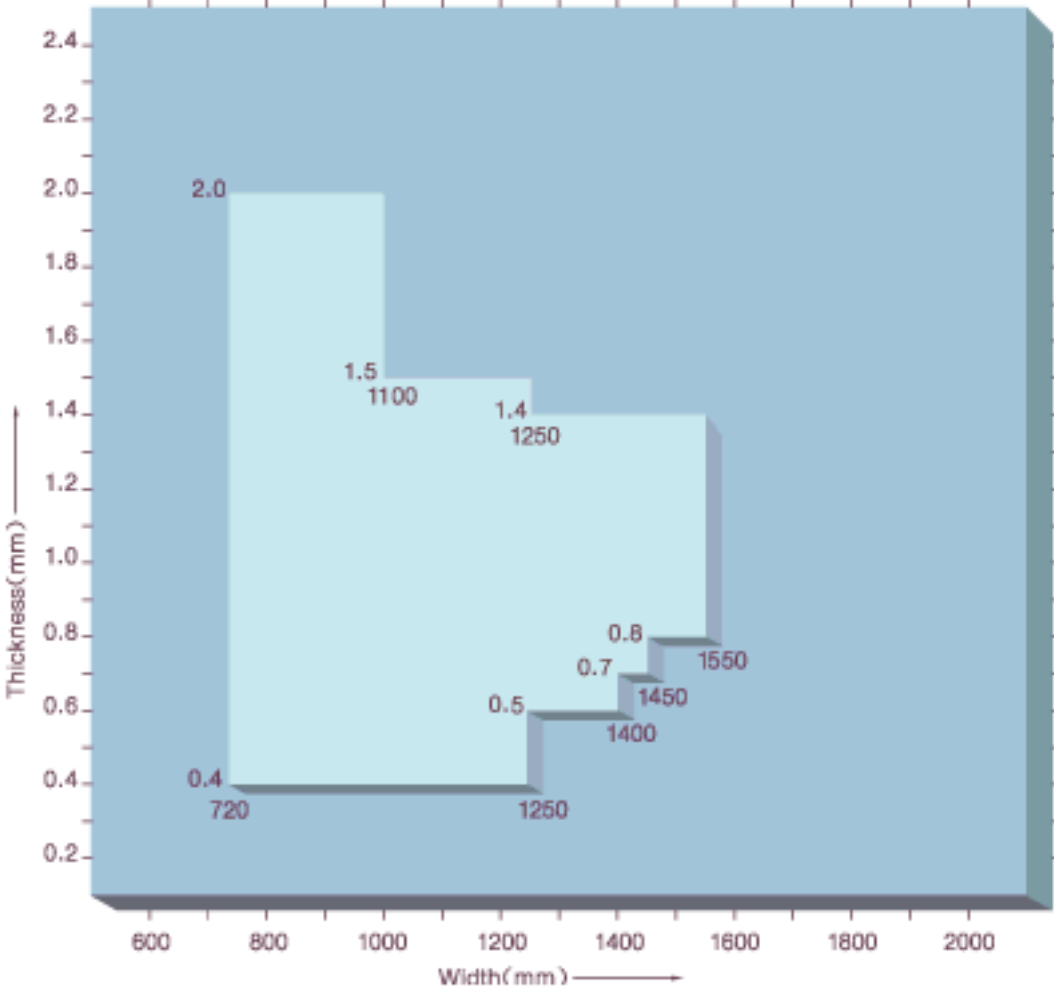
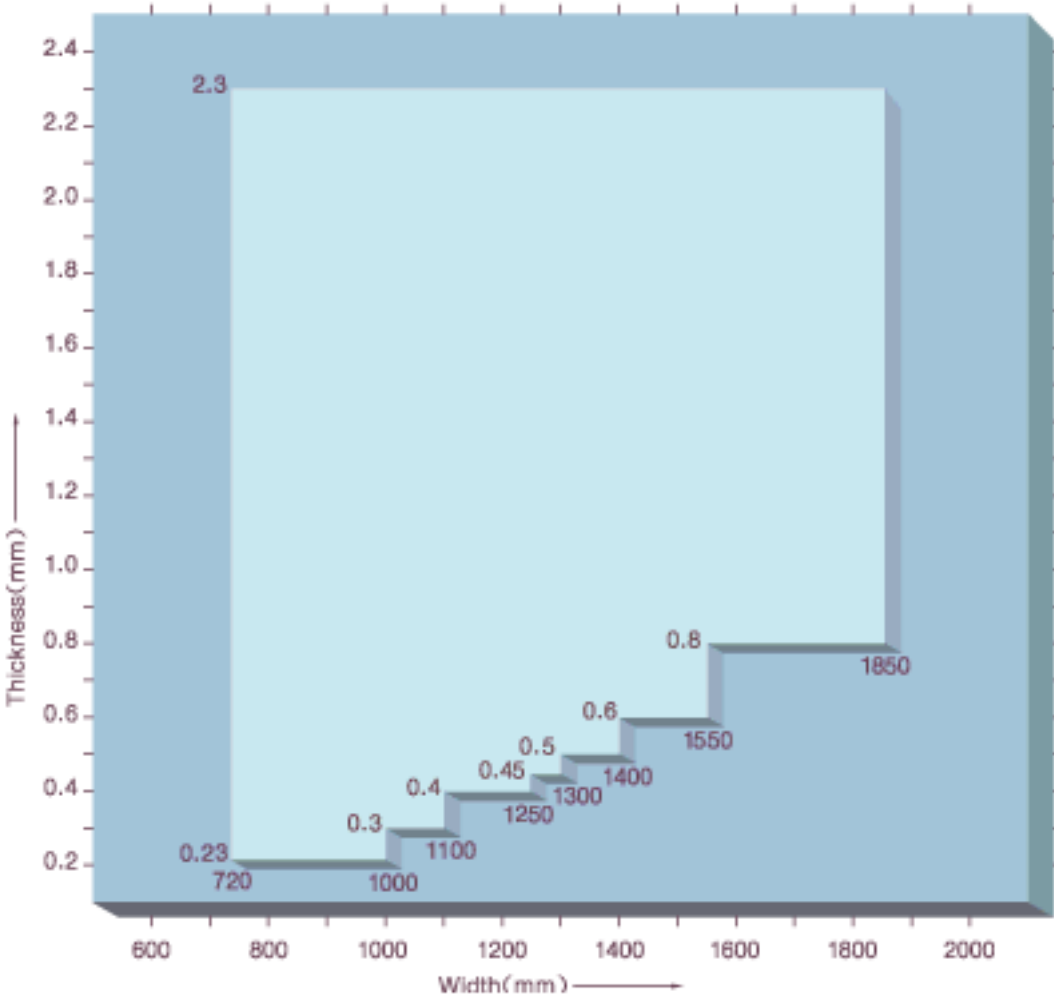


|         |    | (mg/m <sup>2</sup> ) |         |
|---------|----|----------------------|---------|
| HEAVY   | AH | 3000~5000            | SG      |
| GENERAL | AG | 2000~4000            |         |
| LIGHT   | AL | 700~2000             |         |
| HEAVY   | AH | 1500~2000            | SR / SM |
| GENERAL | AG | 1000~1500            |         |
| LIGHT   | AL | 500~1000             |         |

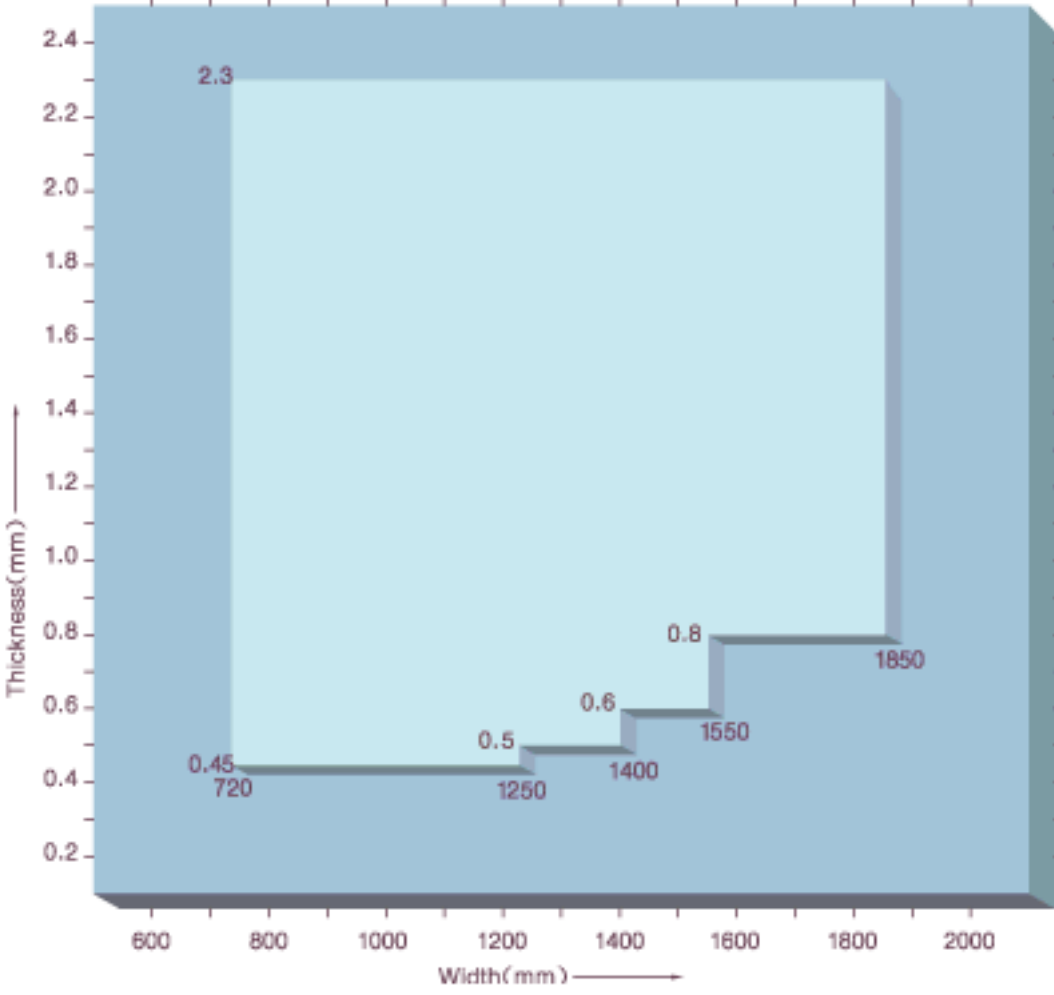
가



(SR, SM )



Galvannealed(CQ, DQ )



Galvannealed(DDQ, EDDQ )

