

Rolled plates

EN AW-2017A T4/T451; EN 573-3; EN 485-2,-3

Limit deviations of thickness acc EN 485-3

| Specified thickness [mm] | | Limit deviations of the thickness for the specified width [mm] | | | | |
|--------------------------|---------------------|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| over | up to and including | up to and including 1250 | over 1250 to and including 1600 | over 1600 to and including 2000 | over 2000 to and including 2500 | over 2500 to and including 3500 |
| 8 | 10 | ±0,45 | ±0,50 | ±0,50 | ±0,55 | ±0,60 |
| 10 | 15 | ±0,50 | ±0,60 | ±0,65 | ±0,65 | ±0,80 |
| 15 | 20 | ±0,60 | ±0,70 | ±0,75 | ±0,80 | ±0,90 |
| 20 | 30 | ±0,65 | ±0,75 | ±0,85 | ±0,90 | ±1,00 |
| 30 | 40 | ±0,75 | ±0,85 | ±1,00 | ±1,10 | ±1,20 |
| 40 | 50 | ±0,90 | ±1,00 | ±1,10 | ±1,20 | ±1,50 |
| 50 | 60 | ±1,10 | ±1,20 | ±1,40 | ±1,50 | ±1,70 |
| 60 | 80 | ±1,40 | ±1,50 | ±1,70 | ±1,90 | ±2,00 |
| 80 | 100 | ±1,70 | ±1,80 | ±1,90 | ±2,10 | ±2,20 |
| 100 | 150 | ±2,10 | ±2,20 | ±2,50 | ±2,60 | - |
| 150 | 220 | ±2,50 | ±2,60 | ±2,90 | ±3,00 | - |
| 220 | 350 | ±2,80 | ±2,90 | ±3,20 | ±3,30 | - |

Mechanical properties according to EN 485-2+A1

| Material condition | Determined thickness [mm] | | Tensile strength R _m [Mpa] | | Slip limit R _{p0,2} [Mpa] | | Ductility min. [%] | | Bend radius | | Hardness [HBW] ^o |
|--------------------|---------------------------|-------|---------------------------------------|-----|------------------------------------|-----|--------------------|----|-------------|--------------------|-----------------------------|
| | over | to | min. | max | min. | max | A _{50mm} | A | 180° | 90° | |
| T4 / T451 | 6,0 | 12,5 | 390 | | 260 | | 13 | | | 8,0 t ^b | 111 |
| T4 / T451 | 12,5 | 40 | 390 | | 250 | | | 12 | | | 110 |
| T4 / T451 | 40,0 | 60,0 | 385 | | 245 | | | 12 | | | 108 |
| T4 / T451 | 60,0 | 80,0 | 370 | | 240 | | | 7 | | | 105 |
| T4 / T451 | 80,0 | 120,0 | 360 | | 240 | | | 6 | | | 105 |
| T4 / T451 | 120,0 | 150,0 | 350 | | 240 | | | 4 | | | 101 |
| T4 / T451 | 150,0 | 180,0 | 330 | | 220 | | | 2 | | | - |
| T4 / T451 | 180,0 | 200,0 | 300 | | 200 | | | 2 | | | - |

Chemical composition according to EN 573-3 (AlCu4MgSi(A))

| Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Note | Other individually | The last total | Al Min. |
|---------|-----|---------|---------|---------|-----|----|------|----|------------|--------------------|----------------|---------|
| 0,2-0,8 | 0,7 | 3,5-4,5 | 0,4-1,0 | 0,4-1,0 | 0,1 | - | 0,25 | - | 0,25 Zr+Ti | 0,05 | 0,15 | Residue |

Formats in stock [mm] (*)

| | | | |
|-------------|-------------|-------------|-----------|
| 1020 × 2020 | 1270 × 2520 | 1520 × 3020 | and other |
|-------------|-------------|-------------|-----------|

(*) Consult the sales department for the current availability of formats

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Thicknesses in stock [mm]

8 10 12 15 20 25 30 35 40 45 50 60 65 70 80 90 100
110 120 130 140 150 160 170 180 200

Contact with foodstuffs according to EN 602

No