# Product Datasheet

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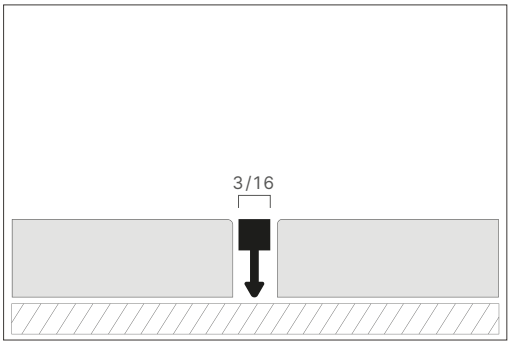
|---|---|
| Manufacturer | Mox Profile Systems |
| Document Title | Design and quality: Line |
| Product Name | Line |
| Product Description | Aluminium Flooring Edge Profile |
| Item No | LNE |
| Area of Use | Public, Office, Residential |
| Material | EN AW 6463 T6, EN AW 6061 T6 |
| Length | 8’ |
| Surface | Anodised |

Line aluminum flooring edge profile is an excellent choice for various projects with its versatile, durable and lightweight structure that closes the gap between floorings. Line aluminum flooring edge profile is designed to close the gaps between floor tiles of the same height. It is extremely durable and long-lasting since it is produced from high quality raw material and has thick walls. Unlike its competitors, it stands out with its coating thickness and quality of anodizing. Line perfectly closes the gap between floors with its flat form. Line aluminum flooring edge profile is easily mounted by pressing from the top after applying silicone or joint to the gap between two floors. Corners can be assembled by cutting profile to 45 degree. Line aluminum flooring edge profile has a bright anodized coating option in silver and yellow colors.




## Warranty

This product is under warranty for 5 years from the date of receipt except for the user errors as listed below:

Damage caused by impact
Damage caused by scratching
Damage caused by abrasive substance or chemical cleaning agents contact
Damage caused by prolonged contact with water
Damage caused by exposure to intense temperature
Damage caused by montage

TS-EN 755-8 TS-EN 755-9 TS 4922

# ALLOY DATASHEET

EN AW 6463 T6 [AlMg0.7Si]

## Place Of Use

The alloy EN AW-6463 is a widely used extrusion alloy, suitable for applications where only modest strength properties are required. Parts can be produced with a good surface quality, suitable for many coating operations. Typical application fields are furniture, finishing materials, windows and doors, car body finishing, facade construction, lighting columns and flagpoles.

## Chemical composition according to EN573-3 (weight%, remainder Al)

| Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Al |
|---|---|---|---|---|---|---|---|---|
| 0,20 - 0,60 | Max 0,15 | 0,2 | Max 0,5 | 0,45 - 0,9 | - | Max 0,05 | Max 0,1 | Rest |

## Mechanical properties according to EN755-2

| Temper* | Wall Thickness e*** | Yield Stress | Tensile Strength | Elongation | Brinell Hardness |
|---|---|---|---|---|---|
| - | e* mm | Rp0,2 min Mpa | Rm min Mpa | Min A50mm % - Max A % | HB** |
| T4 | e≤50 | 75 | 125 | 14 - 12 | 46 |
| T5 | e≤50 | 150 | 110 | 8 - 6 | 60 |
| T6 | e≤50 | 195 | 160 | 10 - 8 | 74 |

* Temper designation according to EN515: T4-Naturally aged to a stable condition, T5-cooled from an elevated temperature forming operation and artificially aged, T6-Solution heat treated, quenched and artificially aged,

** Hardness values are for indication only,

*** For different wall thicknesses within one profile, the lowest specified properties shall be considered as valid for the whole profile cross section.

## Physical properties (approximate values, 20°C)

| Density ($kg/m^3$) | Melting range (°C) | Electrical conductivity (MS/m) | Thermal conductivity (W/m.K) | Co-efficient of thermal expansion $10^{-6}/K$ | Modulus of elasticity (GPa) |
|---|---|---|---|---|---|
| 2700 | 585-650 | 28-34 | 200-220 | 23.4 | ~70 |

**Weldability**[1]

Gas: 3 TIG: 2 MIG: 2

Typical filler materials (EN ISO18273): SG-AlMg5Cr(A) or AlSi5, and AlMg3 when the product has to be anodised. Due to the heat input during welding the mechanical properties will be redured by approximately 50% (ref. EN1999-1).

Machining characteristics[1]: T4 Temper 3 / T5, T6 Temper 2

Coating properties[1] Hard/protective anodising: 1 / Decorative / bright / colour anodising: 2

Corrosion resistance[1] General: 1 Marine: 2

[1]Relative qualification ranging from 1-very good to 6-unsuitable