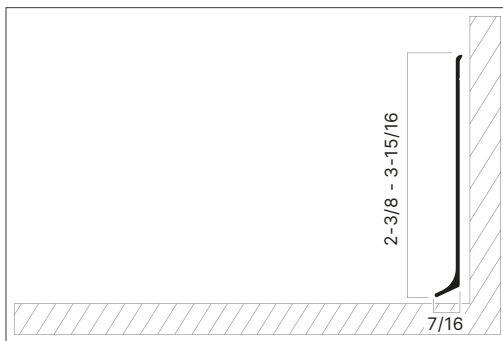


# Product Datasheet



Manufacturer	Mox Profile Systems
Document Title	Design and quality: Velo
Product Name	Velo
Product Description	Aluminium Skirting Board
Item No	VLO
Area of Use	Public, Office, Residential
Material	EN AW 6463 T6, EN AW 6061 T6
Length	8'
Surface	Powder Coated, Anodised, Chrome Plated

Velo aluminium skirting board provides skirting solutions especially for wet areas like bathrooms and kitchens. It takes up less space and offers ease of installation. It provides leak proofing as well as aesthetics by covering the wall-floor joint defects especially on wet areas. It can be used in oval wall applications as it is suitable for bending. 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, and with its pretreatment application that provides resistance to corrosion in electrostatic powder painting. Velo provides a flush appearance with the wall and does not cause any loss of space. Velo aluminium skirting board can be easily installed by directly applying adhesive. Corners can be assembled by cutting the profile to 45 degrees. Velo aluminium skirting board has matte anodized, bright anodized, satin chemical bright anodized and electrostatic powder painting options. While silver, yellow, inox, bronze and black anodized color coatings are available, it can also be painted to the desired RAL code with electrostatic powder painting.



## 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



**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 <sup>3</sup> )	Melting range (°C)	Electrical conductivity (MS/m)	Thermal conductivity (W/m.K)	Co-efficient of thermal expansion (10 <sup>-6</sup> /K)	Modulus of elasticity (GPa)
2700	585-650	28-34	200-220	23.4	~70

**Weldability<sup>1</sup>**

Gas: 3 TIG: 2 MIG: 2

Typical filler materials (EN ISO18273): SG-AlMg5Cr(A) or AISi5, and AlMg3 when the product has to be anodised. Due to the heat input during welding the mechanical properties will be reduced by approximately 50% (ref. EN1999-1).

Machining characteristics<sup>1</sup>: T4 Temper 3 / T5, T6 Temper 2

Coating properties<sup>1</sup> Hard/protective anodising: 1 / Decorative / bright / colour anodising: 2

Corrosion resistance<sup>1</sup> General: 1 Marine: 2

<sup>1</sup>Relative qualification ranging from 1-very good to 6-unsuitable