

MOX Systems - technesch Dokumentatioun

datasheet-velo-us-en.pdf

Technesch Iwwersetzung: kuckt d'Original Zeechnungen an Referenz Säiten fir Dimensiounen.

Quell Säit 1

Produkt Dateblatt

Fabrikant beschwéiert Mox Profil Systemer

Dokument Titel Design a Qualitéit: Velo

Produit Numm Velo

Produit Beschreiwung Aluminium Skirting Board

Artikelnummer VLO

Benotzungsberäich Ëffentlech, Büro, Residential

Material EN AW 6463 T6, EN AW 6061 T6

Längt 8'

Uewerfläch Pudder Beschichtete, Anodized, Chrome Plated

Velo Aluminiumplack bitt Plafongsléisungen besonnesch fir naass Gebidder wéi Buedzëmmer a Kichen.

Et hëlt manner Plaz a bitt einfacher Installatioun.

Et bitt Leckschutz wéi och Ästhetik andeems d'Mauerbuedem Gelenkdefekter besonnesch op naass Gebidder ofdecken.

Et kann an ovale Mauerapplikatiounen benotzt ginn well et gëeegent ass fir ze béien.

Et ass extrem haltbar a laang dauerhaft well et aus héichqualitativen Rohmaterial produzéiert gëtt an décke Maueren huet.

Am Géigesaz zu senge Konkurrenten ënnerscheet et sech mat senger Beschichtungsdicke an der Qualitéit vun der Anodiséierung, a mat senger Virbehandlungsapplikatioun déi Resistenz géint Korrosioun an der elektrostatescher Pulvermolerei ubitt.

Velo stellt e flësseg Erscheinungsbild mat der Mauer a verursaacht kee Raumverloscht.

Velo Aluminiumplack kann einfach installéiert ginn andeems Dir direkt Klebstoff applizéiert.

Corner kënnen zesumme gesat ginn andeems de Profil op 45 Grad ofgeschnidden ass.

Velo Aluminiumplack huet matte anodiséiert, hell anodiséiert, satin chemesch hell anodiséiert an elektrostatesch Puddermolerei Optiounen.

Iwwerdeems Sëlwer, Giel, Inox, Bronze a schwaarz anodized Faarf coatings sinn, et kann och op de gewünschte RAL Code mat electrostatic Pudder molen gemoolt ginn.

Säit 1/2

Garantie

Dëst Produkt ass ënner Garantie fir 5 Joer vum Datum vum Empfang ausser de Benotzerfehler wéi hei ënnendrënner opgezielt:

Schued duerch Impakt Schued verursaacht duerch Kratzer Schued verursaacht duerch Schleifstoff oder chemesch Botzmëttelen Kontakt Schued duerch laangem Kontakt mat Waasser Schued verursaacht duerch Belaaschtung fir intensiv Temperatur Schued duerch Montage

Quell Sait 2

ALLOY DATABLAD

EN AW 6463 T6 [AlMg0.7Si]

Plaz vun benotzen

D'Legierung EN AW-6463 ass eng wäit benotzt Extrusionslegierung, gëeegent fir Uwendungen wou nëmme bescheiden Kraafteigenschaften erfuerderlech sinn.

Deeler kënnen sinn

produzéiert mat enger gudder Uewerflächqualitét, gëeegent fir vill Beschichtungsoperationen.

Typesch Applikationsfelder si Miwwelen, Finishingsmaterialien, Fënsteren an Dieren,

Carrosserieveraarbechtung, Fassadkonstruktioun, Beliichtungssäulen a Fändelstänn.

Chemesch Zesummesetzung nach EN573-3 (Gewicht%, Rescht 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 Rescht

Mechanesch Eegeschaften nach EN755-2

Temperament* Wanddicke e*** Ausbeziehungsspannung Tensile Stärkt Verlängerung 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

* Temperamentbezeichnung no EN515: T4-Natierlech alternd zu engem stabilen Zoustand, T5-gekillt vun enger erhéierter Temperaturbildungsoperation an

kënschtlech alternd, T6-Léisung Hëtzt behandelt, gequetscht a kënschtlech al,

** Hardness Wäerter sinn nëmme fir Indikatioun,

*** Fir verschidde Wanddicke bannent engem Profil sinn déi niddregst spezifizéiert Eegeschaften fir de ganze Profil Querschnitt valabel.

Physikalesch Eegeschaften (ongeféier Wäerter, 20°C)

Dicht Schmelzbereich Elektresch thermesch Koeffizient vun Modulus vun

(kg/m³) (°C) Konduktivitéit Konduktivitéit thermesch Elastizitéit

2700 585-650 (MS/m) (W/m.K) Expansioun (GPa)

28-34 200-220 10⁻⁶/K ~70

Schweessbarkeet¹

Gas: 3 TIG: 2 MIG: 2

Typesch Füllmaterialien (EN ISO18273): SG-AlMg5Cr(A) oder AlSi5, an AlMg3 wann d'Produkt anodiséiert muss ginn.

Wéinst der Hëtzt Input während Schweess der

mechanesch Eegeschaften ginn ëm ongeféier 50% reduzéiert (Ref.

EN1999-1).

Bearbeitungseigenschaften¹: T4 Temper 3 / T5, T6 Temper 2

Beschichtungseigenschaften¹ Hard/Schutz-Anodiséierung: 1 / Dekorativ / hell / Faarfanodiséierung: 2

Korrosionsbeständegkeet¹ Allgemeng: 1 Marine: 2

¹Relativ Qualifikatioun rangéiert vun 1-ganz gutt bis 6-net gëeegent

Säit 2/2

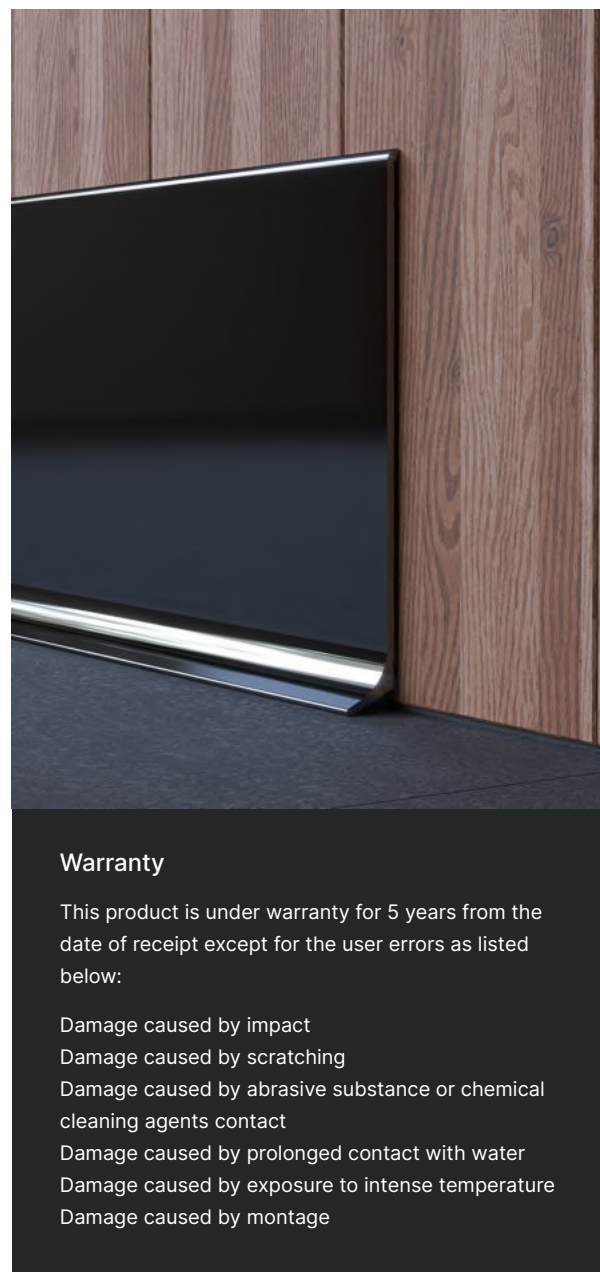
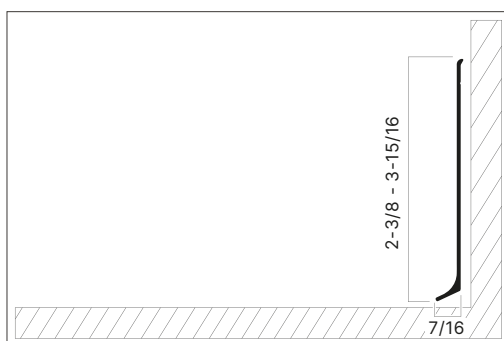
Original Zeechnungen an Referenz Säiten

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/m³)	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

Weldability¹

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 reduced by approximately 50% (ref. EN1999-1).

Machining characteristics¹: T4 Temper 3 / T5, T6 Temper 2

Coating properties¹ Hard/protective anodising: 1 / Decorative / bright / colour anodising: 2

Corrosion resistance¹ General: 1 Marine: 2

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